

TEXTILE ORGANON

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Highlights

- 1987 Directory of Man-Made Fiber Producers . . . begins on page 250.
- Quarterly U.S. Imports & Exports of Man-Made Fiber, Cotton & Wool Manufactures . . . begins on page 260.
- Third Quarter 1987 Production, Shipments and Ending Stocks . . . begins on page 266.

SHIPMENTS:

Total man-made fiber shipments in the January - October 1987 period were 7,462.0 million pounds, 6.5% greater than in the corresponding 1986 period. Cellulosic fiber shipments at 503.2 million pounds were off 2.0%, while noncellulosic fiber shipments increased 7.2% to 6,958.8 million pounds.

Selected fibers contributing to the January - October 1987 rise in shipments:

- Nylon staple up 12.5% to 848.0 million pounds.
- Polyester staple up 11.0% to 1,960.6 million pounds.
- Olefin yarn up 7.8% to 933.0 million pounds.
- Nylon carpet yarn up 6.5% to 802.3 million pounds.

Total man-made fiber shipments in October 1987 were 765.1 million pounds, down 3.2% from September shipments of 790.4 million pounds.

October shipments of noncellulosic staple fibers were up 1.3% from the prior month, including increases for-nylon staple, up 5.1% to 88.4 million pounds and acrylic+modacrylic, up 8.7% to 51.4 million pounds. Noncellulosic yarn shipments in October declined 7.4% to 335.1 million pounds, including nylon carpet yarn, down 14.6% to 76.1 million pounds and olefin yarn, down 10.3% to 96.0 million pounds.

TABLE 1:
TOTAL U.S. MAN-MADE FIBER SHIPMENTS
MILLION POUNDS & PERCENT CHANGE

ITEM	1987		% CHG 9/87-10/87	1986	% CHG 10/86-10/87	YEAR TO DATE		% CHG YTD 1986-1987
	OCT	SEPT		OCT		1987	1986	
CELLULOSIC								
YARN	17.1	16.9	+1.2	17.5	-2.3	157.1	178.9	-12.2
RAYON STAPLE	36.5	39.9	-8.5	35.6	+2.5	346.1	334.8	+3.4
TOTAL CELLULOSIC	53.6	56.8	-5.6	53.1	+0.9	503.2	513.7	-2.0
NONCELLULOSIC								
YARN								
NYLON ^a - INDUSTRIAL	31.7	29.6	+7.1	31.1	+1.9	312.7	275.4	+13.5
- CARPET	76.1	89.1	-14.6	80.2	-5.1	802.3	753.0	+6.5
- TEXTILE ^b	30.1	33.5	-10.1	30.0	+0.3	316.5	302.7	+4.6
POLYESTER - INDUSTRIAL	30.3	31.1	-2.6	27.8	+9.0	283.7	260.9	+8.7
- TEXTILE ^b	70.9	71.6	-1.0	74.1	-4.3	700.9	712.9	-1.7
OLEFIN	96.0	107.0	-10.3	100.2	-4.2	933.0	865.6	+7.8
TOTAL YARN	335.1	361.9	-7.4	343.4	-2.4	3349.1	3170.5	+5.6
STAPLE								
NYLON	88.4	84.1	+5.1	91.4	-3.3	848.0	753.9	+12.5
ACRYLIC+MODACRYLIC	51.4	47.3	+8.7	53.7	-4.3	498.9	523.3	-4.7
POLYESTER	205.3	207.7	-1.2	188.5	+8.9	1960.6	1766.1	+11.0
OLEFIN+VINYON ^c	31.3	32.6	-4.0	29.8	+5.0	302.2	276.5	+9.3
TOTAL STAPLE	376.4	371.7	+1.3	363.4	+3.6	3609.7	3319.8	+8.7
TOTAL NONCELLULOSIC	711.5	733.6	-3.0	706.8	+0.7	6958.8	6490.3	+7.2
TOTAL MAN-MADE FIBER	765.1	790.4	-3.2	759.9	+0.7	7462.0	7004.0	+6.5

a. Nylon excludes Aramid.

b. Includes low denier industrial nylon and polyester yarn.

c. 1987 data exclude Vinyon.

NOVEMBER 1987

Textile Organon

A Monthly Review

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Editor

Rosemarie D. Frick

Publishing Headquarters:

Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.

Telephone: (201) 228-1107

Facsimile: (201) 228-7598

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Industry Regulars

Total U.S. Man-Made Fiber Shipments	247
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U.S. FIBER PRODUCTION, SHIPMENTS AND ENDING STOCK

Third quarter 1987 production of noncellulosic yarn+monofilaments at 1,014 million pounds was unchanged from the second quarter, while shipments registered a slight gain in the third quarter to 1,025 million pounds. The yarn inventory position declined 11.2 million pounds to 279 million pounds, the lowest level since January 1984.

Noncellulosic staple+tow production in the third quarter 1987 declined 4.5% to 1,059 million pounds. Shipments were also lower, down 3.0% to 1,062 million pounds, while staple inventories at 330 million pounds fell slightly below the prior quarter's level. (See Table 9)

U.S. MAN-MADE FIBER IMPORTS & EXPORTS

Total man-made fiber imports were 34.1 million pounds in September, down 2.4% from August. For the first nine months 1987, imports at 296.1 million pounds were 6.0% above the corresponding 1986 period. Imports of polyester staple reached their highest monthly level this year with 8.7 million pounds reported for September. For the first nine months 1987, polyester staple imports totaled 56.3 million pounds, an increase of 110% from the same period last year. (See Table 7)

U.S. man-made fiber exports in September were 63.7 million pounds, up slightly from August, but on a year-to-date basis were 10.6% ahead of the corresponding 1986 period... 564.0 million pounds vs. 509.9 million pounds. (See Table 8)

BASF ACQUIRES COURTAULDS' NYLON HOSIERY BUSINESS IN U.S.

BASF Corporation's Fibers Division and Courtaulds North America have jointly announced BASF'S acquisition of Courtaulds' nylon production of hosiery yarns and yarns for wrap spinning.

The sale of Courtaulds' nylon hosiery and wrap spinning business to BASF in no way affects Courtaulds' continued participation in the rayon, acrylic and nylon tricot business in the U.S., according to Derek F. Twogood, President of Courtaulds North America Inc. (BASF Corporation Fibers Division News Release 10/87)

The Textile Economics Bureau now has a FAX machine.
To reach the Bureau dial:
201-228-7598

1987 DIRECTORY OF U.S. MAN-MADE FIBER PRODUCERS

NOTES & DEFINITIONS

This directory of producers is divided into the following categories:

- (1) Cellulosic plus Noncellulosic Fibers
- (2) Olefin Fiber
- (3) Textile Glass Fiber

The locality shown represents a plant site. Unless shown separately, the Head Sales Office address is the same as the Executive Office address.

The generic fiber names used in this survey are those established by the U.S. Federal Trade Commission (FTC). The *italicized* words are trademarks. All other fiber names are generic and appear in regular type.

- Indicates a company producing olefin fiber as well as other man-made fiber(s). For example, Ametek produces olefin fiber (page 251) as well as nylon, polyester and saran.
- * Indicates a new plant, in the planning stage or under construction, or a new facility for producing a new product at an existing plant. Such facilities are not expected to be operable before 1987.

Yarn means filament yarn.

Monofil means an extruded monofilament and may be either a round or a rectangular (ribbon) cross-section. Monofilaments for bristles are excluded.

Film includes **Slit**: tape produced by slitting an already-attenuated wide sheet of olefin film; and **Split**: fibrillated slit film.

Not included in this survey is the slit film used for decorative or tying ribbon and such.

Rope includes braided and twisted rope as well as filler or core fiber.

Cordage is under 3/16" and includes tying and harvest (baler and binder) twine.

Industrial Goods means bags, bale wrap and protective covers, agricultural cloth, tarps and pool covers, etc.

Captive means that most or all of the fiber produced is consumed by the company in a vertical operation.

GENERIC NAMES & TRADEMARKS

The following are generic names, in **bold** type, and a brief description of the fibers covered by each name shown in regular type.

GLASS FIBER

This fiber is made in two primary forms: continuous strand and staple sliver. Continuous strand is drawn fiber (i.e., from a textile-type bushing), while staple sliver, which is produced in relatively small amounts, is a blown fiber. Textile glass fiber thus **does not** include the substantial quantities of blown glass wool and pack, e.g., mat for air & liquid filtration, acoustical & thermal insulation, battery mats & separators and underground pipe wrap (except reinforcing).

Yarn & Strand: Continuous filament yarn and strand packaged for sale as such. Includes the yarn and strand used in the manufacture of nonwoven scrim for sale as such.

Roving: Two or more ends of untwisted strand. Includes spun strand roving (a single, continuous strand looped back on itself

to give the equivalent of two or more strands) and roving for making woven roving

Mat: Mat in any nonwoven form as made from a continuous filament, i.e., continuous strand mat (filaments bonded with a suitable binder to form a membrane) and chopped strand mat (1/2" to 3" strands deposited in a random manner and resin bonded).

Chopped: Chopped yarn, strand or roving (1/4" to 3-3/4" length).

Milled: Hammer-milled yarn, strand or roving (1/32" to 1/4" length).

Staple Yarn & Sliver: A blown fiber, as noted, and means ribbons of generally parallel glass staple (3" to 15" random lengths) with or without a filament yarn reinforcement, with or without a binder, and slightly condensed to an approximately uniform cross section.

CELLULOSIC (ARTIFICIAL) FIBERS

Acetate: Cellulosic acetate. Cigarette filtration tow is excluded.

Triacetate: Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.

Rayon: Regenerated cellulose, including substitutions for not more than 15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.

Cupra: Cuprammonium rayon.

The viscose rayon yarns are identified as **Ind** (industrial or high tenacity yarn) and **reg** (regular or textile yarn).

NONCELLULOSIC (SYNTHETIC) FIBERS

Acrylic: At least 85% acrylonitrile by weight.

Modacrylic: 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.

Azlon: Regenerated natural protein.

Nylon: A long-chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc. Where a company produces both type 6 and type 66, the designation 6/66 is used.

Aramid: A long-chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings. In this survey, any aramid data are included with nylon.

Olefin: At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.

PBI: A long chain having reoccurring imidazole groups.

Polyester: At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalate units, and parasubstituted hydroxybenzoate units.

Saran: At least 80% vinylidene chloride by weight.

Spandex: At least 85% of segmented polyurethane.

Vinyon: At least 85% vinyl chloride by weight.

Other man-made fibers included in this survey, but not listed by the FTC, are Polycarbonate and **TFE-** & **FEP-**fluorocarbon.

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, lastrile, metallic and novoloid. Fibers falling under the FTC designations of anidex and nryl are no longer produced.

Carbon fibers are not included in this survey.

ALBANY INTERNATIONAL-MONOFILAMENT PLANT ●

EXECUTIVE OFFICE: 156 S. Main Street, Homer, NY 13077
 Fluoro Homer, NY *Halar*, *Kynar*, *Teflon*, *Tefzel* (monofil)
 Nylon 6, 66 & 612 Homer (monofil)
 Polyester Homer (monofil-regular & hydrolysis-resistant)

ALLIED-SIGNAL INC. ENGINEERED MATERIALS SECTOR, FIBERS DIVISION ●

EXECUTIVE OFFICE: 1411 Broadway, New York, NY 10018
REGIONAL SALES: 400 N. Tustin Avenue, Santa Ana, CA 92705
 1775 The Exchange, Suite 160, Atlanta, GA 30339
 2100 Fiber Park Drive, Dalton, GA 30720
 64 South Miller Road, Akron, OH 44313
 Nylon 6 Columbia, SC & Hopewell, VA *A.C.E.*, *Anso*, *Anso-Tex*, *Anso V Worry Free*, *Caplana*, *Caprolan*, *Capima*, *Captiva*, *Hydrofil*, *Patina*, *Sea Gard* (yarn, monofil & staple)
 Polyester Moncure, NC *A.C.E.* (yarn & monofil)

AMERICAN CYANAMID COMPANY, FIBERS DIVISION

EXECUTIVE OFFICE: One Cyanamid Plaza, Wayne, NJ 07470
REGIONAL SALES: 350 Fifth Avenue, Suite 2602, New York, NY 10118
 P.O. Box 32787, Charlotte, NC 28232
 Acrylic Milton, FL *Creslan* (staple & tow)

AMERICAN POLYCRAFT, INC. ●

EXECUTIVE OFFICE: P.O. 3603, Dalton, GA 30721
 Nylon 6 Dalton, GA (yarn)

AMETEK INC., SPECIAL FILAMENTS DIVISION ●

EXECUTIVE OFFICE: Box 339, Odenton, MD 21113
 Nylon 6, 66, 612 & 11 Odenton, MD (monofil)
 Polyester Odenton (monofil)
 Saran Odenton (monofil)

AVTEX FIBERS INC. ●

EXECUTIVE OFFICE: Bldg. 200, Berwyn Park, Cassatt Road, P.O. Box 880, Valley Forge, PA 19482
SALES OFFICE: 1185 Avenue of the Americas, New York, NY 10036
REGIONAL SALES: 1 Fairview Plaza, 5950 Fairview Road, Suite 501, Charlotte, NC 28210
 Polyester Lewistown, PA *Avlin* (yarn)
 Rayon Front Royal, VA *Aviloc*, *Avril*, *Avril II*, *Avril III*, *Avril Prima*, *Fibers 40 & 43* (ind yarn & staple)

BASF CORPORATION FIBERS DIVISION

EXECUTIVE OFFICE: P.O. Drawer D, Williamsburg, VA 23187
REGIONAL SALES: 5505 East Carson Street, Suite 205, Lakewood, CA 90713
 500 Holiday Avenue, Dalton, GA 30720
 111 West 40th Street, New York, NY 10018
 Four Seasons Executive Center, 3A Terrace Way, Greensboro, NC 27403
 Acrylic Williamsburg, VA *Zefkrome*, *Zefran* (staple)
 Nylon 6 Enka, NC; Anderson & Central, SC & Lowland, TN *Crapeset*, *Shimmereen*, *Vivana*, *Zelfsport*, *Zelftron*, *Zelftron 500*, *Zelftron 500 ZX* (yarn & staple)

BASF CORPORATION FIBERS DIVISION (CONTINUED):

Polyester Lowland, TN *Golden Glow*, *Golden Touch*, *Silky Touch*, *Strialine*, *Ultra Touch* (yarn)
 Rayon Lowland, TN *Zanaire*, *Zankare*, *Zankrome*, *Zantrel* (staple)
 BASF Corporation has carpet yarn spinning plants at Allendale, SC and Sylvania, GA.

BERKLEY & CO. INC. ●

EXECUTIVE OFFICE: Highways 9 & 71, Spirit Lake, IA 51360
 Nylon 6 Spirit Lake, IA (monofil)

CALIFORNIA WEBBING INDUSTRIES, INC. ●

EXECUTIVE OFFICE: 4560 Pacific Blvd., Los Angeles, CA 90058
 Nylon Los Angeles, CA (yarn)
 Polyester Los Angeles (yarn)

CAMAC CORPORATION

EXECUTIVE OFFICE: P.O. Box 1004, Bristol, VA 24203
 Nylon 6 Bristol, VA *Camalon* (yarn)

CELANESE FIBERS, INC.

EXECUTIVE OFFICE: P.O. Box 32414, Charlotte, NC 28232
MARKETER: Celanese Fibers, 1211 Avenue of the Americas, New York, NY 10036
REGIONAL SALES: 110 E. 9th Street, Room A 1229, Los Angeles, CA 90079
 6000 Lake Forest Drive, Suite 300, Atlanta, GA 30328
 P.O. Box 32414, Charlotte, NC 28232
 2950 W. Market Street, Akron, OH 44313
 Acetate Rock Hill, SC (*Celriver*) & Narrows, VA (*Celco*) (yarn, staple & tow)
 Polyester Fayetteville, Salisbury & Shelby, NC & Darlington & Greenville, SC *Angelette*, *Ceylon*, *Comfort Fiber*, *ESP*, *Fortrel*, *Loftguard*, *Polar-Guard*, *Serene*, *Superba* (yarn, staple, tow & fiberfill)
 PBI Rock Hill (staple)
 Vinyon Rock Hill (staple)

COLOR-FI/MARTIN FIBERS INC.

EXECUTIVE OFFICE: P.O. Box 469, Edgefield, SC 29824
 Nylon Sumter & Trenton, SC (staple & tow)
 Polyester Sumter & Trenton (staple)

CONCORDE FIBERS, INC. ●

EXECUTIVE OFFICE: P.O. Box 200, Hwy. 45, Jamestown, SC 29453
 Nylon 6 Jamestown, SC (yarn)

CORTLAND LINE COMPANY

EXECUTIVE OFFICE: 3736 Kellogg Road, Cortland, NY 13045
 Nylon 6 Cortland, NY (monofil-captive)

COURTAULDS NORTH AMERICA INC.

EXECUTIVE OFFICE: 104 West 40th Street, New York, NY 10018
REGIONAL SALES: P.O. Box 2648, Mobile, AL 36652
 Rayon Le Moyne, Mobile County, AL *Coloray* & *Fibro* (staple)
 Nylon 6 Le Moyne (yarn)

**E. I. DU PONT DE NEMOURS & COMPANY
(INC.) ●**

TEXTILE FIBERS DEPARTMENT ●

EXECUTIVE OFFICE: Wilmington, DE 19898

REGIONAL SALES: 5500 Union Pacific Avenue, City of Commerce,
CA 90022

1251 Avenue of the Americas, New York, NY 10020

6250 Fairview Road, Charlotte, NC 28234

2770 W. Market Street, Akron, OH 44313

300 Franklin Bldg., Eastgate Center, Chattanooga, TN 37411

Acrylic Camden, SC & Waynesboro, VA *Orlon* (staple & tow)

Aramid Richmond, VA *Kevlar* (yarn), *Nomex* (yarn, staple & tow)

Nylon 66 Seaford, DE; Camden, SC; Chattanooga, TN & Martinsville, Richmond & Waynesboro, VA (yarn, monofil, staple & tow)

Polyester Kinston & Wilmington, NC; Camden & Charleston, SC *Dacron*, (yarn, staple, tow & fiberfill), *Sontara* (spunlaced)

Spandex Waynesboro *Lycra* (fused multifil or coalesced monofil)

POLYMER PRODUCTS DEPARTMENT

EXECUTIVE OFFICE: See listing above.

Nylon 6, 66, 612 & Parkersburg, WV *Dacron*, *Dymetrol*, *Tynex* & Polyester *Vylor* (monofil of 50 denier & coarser)

EASTMAN KODAK COMPANY

EASTMAN CHEMICALS DIVISION

EXECUTIVE OFFICE: Kingsport, TN 37662

MARKETER: EASTMAN CHEMICAL PRODUCTS, INC., P.O. Box 431,
Kingsport, TN 37662

REGIONAL SALES: 1133 Avenue of the Americas, New York, NY
10036

Acetate Kingsport, TN *Chromspun*, *Estron* (yarn)

Polyester Kingsport, TN & Columbia, SC *Kodel* (staple)

FIRESTONE FIBERS & TEXTILES COMPANY

DIVISION OF FIRESTONE TIRE & RUBBER COMPANY

EXECUTIVE OFFICE: P.O. Box 1278, Gastonia, NC 28052

Polyester Hopewell, VA (yarn)

FOSS MANUFACTURING COMPANY, INC. ●

EXECUTIVE OFFICE: Ward Hill Industrial Park, Haverhill, MA 01830

PLANT OFFICE: Haverhill, MA 01830

Polyester Haverhill, MA (staple-captive)

GLOBE MANUFACTURING CO.

EXECUTIVE OFFICE: 456 Bedford Street, Fall River, MA 02720

Spandex Fall River, MA & Gastonia, NC *Cleerspan*,

DC-100, *DC-700*, *Glospan* (fused multifil)

**THE GOODYEAR TIRE & RUBBER COMPANY,
POLYESTER DIVISION**

EXECUTIVE OFFICE: Akron, OH 44316

Polyester Scottsboro, AL & Point Pleasant, WV (yarn-captive)

GUILFORD MILLS, GAINESVILLE DIVISION

EXECUTIVE OFFICE: 4925 West Market Street, Greensboro, NC
27402

PLANT OFFICE: 455 Osborne Street, S.E., Gainesville, GA 30501

Nylon 6 Gainesville, GA (yarn & monofil-captive)

HANOVER MILLS, INCORPORATED

Subsidiary of Falk Fibers & Fabrics Inc.

EXECUTIVE OFFICE: 2120 Pinecroft Road, Greensboro, NC 27407

REGIONAL SALES: 1450 Broadway, New York, NY 10018

2120 Pinecroft Road, Greensboro, NC 27407

Nylon 6 Yanceyville, NC *Hanover* (yarn & monofil)

HOECHST CELANESE CORPORATION

EXECUTIVE OFFICE: 202-206 North, Somerville, NJ 08876

1515 Broadway, New York, NY 10036

REGIONAL SALES: 5601-77 Center Drive, Suite 250, Charlotte, NC

28210

3711 Long Beach Blvd., Suite 801, Long Beach, CA 90807

Polyester Spartanburg, SC *Trevira* (yarn, monofil, staple & spunbonded)

JOHNSON FILAMENTS, INC. ●

Subsidiary of JWI Ltd.

EXECUTIVE OFFICE: Industrial Avenue, Williston, VT 05495

Nylon 6/66 Williston, VT (monofil)

Polyester Williston (monofil)

**KAYSER-ROTH HOSIERY INC., YARN
MANUFACTURING DIVISION**

EXECUTIVE OFFICE: 2303 W. Meadowview Road, Greensboro, NC

27407

Nylon 66 Creedmoor, NC (yarn-captive)

MKS COMPANY INC.

EXECUTIVE OFFICE: 1401 West Elk Avenue, Elizabethton, TN

37643

Polyester Elizabethton, TN (staple)

MONOFILAMENTS, INC.

EXECUTIVE OFFICE: 1401 Hopeman Pkwy., Waynesboro, VA

22980

Nylon 6/66 Waynesboro, VA (monofil)

Polycarbonate Waynesboro (monofil)

Polyester Waynesboro (monofil)

*The company also produces fusible nylon (monofil) at its Waynesboro facility.

MONSANTO COMPANY

EXECUTIVE OFFICE: 800 N. Lindbergh Blvd., St. Louis, MO 63167

**MONSANTO CHEMICAL COMPANY, FIBERS & ENGINEERED
PRODUCTS DIVISION**

REGIONAL SALES: 24012 Calle de la Plata, Suite 250, Laguna Hills,
CA 92653

320 Interstate North Pkwy., Atlanta, GA 30339

Merchandise Mart, 222 North Bank Drive, Chicago, IL 60654

1460 Broadway, 11th Floor, New York, NY 10036

6230 Fairview Road, Charlotte, NC 28210

260 Springside Drive, P.O. Box 5444, Akron, OH 44313

Acrylic Decatur, AL *Acrilan*, *Acrilan II*, *Bi-Loft*, *Fi-Lana II*, *Pa-Qel*, *So-Lara*, *So-Qel* (staple & tow)

Modacrylic Decatur *SEF*, *SEF Plus* (staple & tow)

Nylon 66 Pensacola, FL & Greenwood, SC *No-Shock*,

Ultron (yarn & staple)

ASTRO TURF INDUSTRIES INC.

SALES OFFICE: 809 Kenner Street, Dalton, GA 30720

Nylon 66 Dalton, GA *Astro Turf* (recreational surfaces)

NORTH AMERICAN RAYON CORPORATION

EXECUTIVE OFFICE: West Elk Avenue, Elizabethton, TN 37643

REGIONAL SALES: 500 Fifth Avenue, New York, NY 10110
Rayon Elizabethton, TN (ind & reg yarn & tow)

REEMAY, INC. ●

EXECUTIVE OFFICE: P.O. Box 511, Old Hickory, TN 37138
Polyester Old Hickory, TN *Reemay* (spunbonded)

SHAKESPEARE COMPANY, MONOFILAMENT DIVISION ●

SALES OFFICE: 6111 Shakespeare Road, P.O. Box 4060, Columbia, SC 29240

Nylon 6/66 & 610 Columbia, SC (monofil & monofil thread)
Polyester Columbia (monofil & monofil thread)

STAR FIBERS, INC.

EXECUTIVE OFFICE: 136 Fuller Road, Albany, NY 12205

REGIONAL SALES: Edgefield, SC 29824

Nylon 6/66 Edgefield, SC *Starbrite* (staple)

SUNSHINE CORDAGE CORPORATION ●

EXECUTIVE OFFICE: 7250-7270 N.W. 41st Street, Miami, FL 33166

Nylon 6 Miami, FL *Sunylon* (yarn & cordage)

TOLARAM FIBERS, INC. ●

EXECUTIVE OFFICE: P.O. Box 436, Highway 52 North, Ansonville, NC 28007-0436

Nylon 6.6 Ansonville, NC (yarn)
Polyester Ansonville & Asheboro, NC (yarn)

UNIVERSAL POLYMER PRODUCTS CORPORATION

Subsidiary of Falk Fibers & Fabrics Inc.

EXECUTIVE OFFICE: See Hanover Mills

REGIONAL SALES: 1450 Broadway, New York, NY 10018

2120 Pinecroft Road, Greensboro, NC 27407
Polyester Fuquay-Varina, NC (yarn & monofil)

WELLMAN, INC., MAN-MADE FIBER DIVISION

EXECUTIVE OFFICE: P.O. Box 188, Johnsonville, SC 29555

67 Walnut Avenue, Suite 308, Clark, NJ 07066

REGIONAL SALES: 1200 East Morehead Street, Charlotte, NC 28204

25 Braintree Hill Park, Suite 302, Braintree, MA 02184

Nylon 6 Johnsonville, SC *Wellon* (staple)
Nylon 66 Johnsonville *Wellon*, *Wellstrand* (staple, tow & tops)
Polyester Johnsonville *Filwell*, *Wellene*, *Wellstrand* (staple & tow)

YKK ZIPPER CO.

Polyester Macon, GA (yarn)

OLEFIN FIBER

ACS INDUSTRIES, INC.

EXECUTIVE OFFICE: 71 Villanova Street, Woonsocket, RI 02895

PLANT: Woonsocket, RI (P yarn)

ALADDIN CARPETS, INC.

EXECUTIVE OFFICE: P.O. Box 2208, Dalton, GA 30720

PLANT: Dalton, GA (P yarn)

ALBANY INTERNATIONAL - MONOFILAMENT PLANT

EXECUTIVE OFFICE: See Listing on Page 251.

PLANT: Homer, NY (P monofil)

ALLIED-SIGNAL INC. ENGINEERED MATERIALS SECTOR, FIBERS DIVISION

EXECUTIVE OFFICE: See Listing on Page 251.

PLANT: Chesterfield, VA *Spectra* (E yarn & staple)

AMERICAN MANUFACTURING COMPANY

EXECUTIVE OFFICE: 200 South Park Road, Lafayette, LA 70505

REGIONAL SALES: 107 Trumbull Street, Elizabeth, NJ 07206

5854 Hollis Street, Emeryville, CA 94608

1520 Industrial Blvd., Jacksonville, FL 32205

6110 Bienvenue Street, New Orleans, LA 70117

1715 South 11th Street, St. Louis, MO 63104

1350 Kress Street, Houston, TX 77020

5050 First Avenue South, Seattle, WA 98134

LAFAYETTE ROPE DIVISION

PLANT: Lafayette, LA *Amco*, *American*, *Bondtie*, *Floterope* (E & P monofil & film)

AMERICAN POLYCRAFT, INC.

EXECUTIVE OFFICE: See Listing on Page 251.

PLANT: Dalton, GA (P yarn & film)

AMETEK INC., SPECIAL FILAMENTS DIVISION

EXECUTIVE OFFICE: See Listing on Page 251.

PLANT: Odenton, MD (E & P monofil)

AMOCO FABRICS & FIBERS COMPANY

EXECUTIVE OFFICE: 900 Circle 75 Parkway, Suite 550, Atlanta, GA 30339

REGIONAL SALES: 15066 Shoemaker Avenue, Santa Fe Springs, CA 90670

P.O. Box 911, Dalton, GA 30720

P.O. Box 3667, 604 Sheridan Avenue, Dalton, GA 30720

700 West 1st Street, Lowell, NC 28098

PLANT: Andalusia & Roanoke, AL; Bainbridge, Hazlehurst & Nashville, GA; Lowell, NC & Afton, VA (P yarn, monofil, film & staple)

The company produces *PolyBac* and *Polybac FLW* primary carpet backing; *Action Bac* secondary carpet backing; *Amo Pave*, *Amo Weve* and *Propex* industrial goods; and *Marqué*: a *Lana*, *Patton*, *Patton Plus* and *Synera* yarn at these locations.

ARLIN MFG. CO., INC.

EXECUTIVE OFFICE: 239 Industrial Avenue, Lowell, MA 01853

PLANT: Lowell, MA (P film)

ARMSTRONG WORLD INDUSTRIES, INC.

EXECUTIVE OFFICE: Lancaster, PA 17604

PLANT: Charlotte, NC (P film-captive)

The company weaves carpet backing.

AVTEX FIBERS, INC.

EXECUTIVE OFFICE: See Listing on Page 251.

PLANT: Front Royal, VA (P staple)

BEAULIEAU OF AMERICA

EXECUTIVE OFFICE: P.O. Box 4539, Dalton GA 30721

PLANT: Dalton, GA (P yarn)

BERKLEY & CO. INC.

EXECUTIVE OFFICE: See Listing on Page 251.

PLANT: Spirit Lake, IA (E & P monofil-captive)

BLUE MOUNTAIN EXTRUSIONS

EXECUTIVE OFFICE: P.O. Box 100, Anniston, AL 36202

PLANT: Anniston, AL *Gold Medal, Poly Autotwine, Poly Macramé, Polylasting, TY-EZ Polytape, Tylon, Tybite* (E & P film cordage)**BRIDON CORDAGE INC.**

EXECUTIVE OFFICE: 909 16th Street, Albert Lea, MN 56007

PLANT: Albert Lea, MN (P film cordage)

BURLINGTON, INC.

EXECUTIVE OFFICE: P.O. Box 21207, Greensboro, NC 27420

PLANT: Greensboro, NC (P yarn)

CALIFORNIA WEBBING INDUSTRIES, INC.

EXECUTIVE OFFICE: See Listing on Page 251.

PLANT: Los Angeles, CA (P yarn)

CHASE PACKAGING CORPORATION

EXECUTIVE OFFICE: 2 Greenwich Plaza, Greenwich, CT 06830

PLANT: Portland, OR (P film industrial goods)

COLUMBIAN ROPE COMPANY

EXECUTIVE OFFICE: P.O. Box 270, Hwy. 45 North, Guntown, MS 38849

REGIONAL SALES: P.O. Box 270, Hwy. 45 North, Guntown, MS 38849

PLANT: Guntown, MS *Polypro 6* (E & P monofil & film)**CONCORDE FIBERS, INC.**

EXECUTIVE OFFICE: See Listing on Page 251.

PLANT: Jamestown, SC (P yarn)

CROWE ROPE COMPANY

EXECUTIVE OFFICE: Warren, ME 04864

PLANT: Warren, ME *Crowelon* (P monofil & film)**CUMBERLAND MILLS, INC.**

EXECUTIVE OFFICE: 1010 N. Hamilton Street, Dalton, GA 30720

PLANT: Dalton, GA (P yarn)

CUTLASS CARPET

PLANT: Dalton, GA (P yarn)

DIAMOND MILLS, INC.

EXECUTIVE OFFICE: P.O. Box 46, Eton, GA 30724

PLANT: Eton, GA (P yarn & film)

DORSETT CARPET MILLS, INC.

EXECUTIVE OFFICE: P.O. Box 740, Chatsworth, GA 30705

PLANT: Chatsworth, GA (P yarn)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)**TEXTILE FIBERS DEPARTMENT**

EXECUTIVE OFFICE: See Listing on Page 252.

PLANT: Old Hickory, TN & Richmond, VA *Tyvek* (E spunbonded)**ELIZABETH WEBBING MILLS CO., INC.**

EXECUTIVE OFFICE: 521 Roosevelt Avenue, Central Falls, RI 02862

PLANT: Central Falls, RI (P yarn & film)

ENSIGN-BICKFORD INDUSTRIES, INC.**FILM FIBERS DIVISION**

EXECUTIVE OFFICE: 660 Hopmeadow Street, Simsbury, CT 06070

PLANT: Simsbury, CT (P film)

**EXXON CHEMICAL AMERICAS,
INDUSTRIAL TEXTILES DIVISION**

DIVISION HEADQUARTERS: 2550 West Fifth North Street, Summerville, SC 29483-9699

MARKETING OFFICE: 380 Interstate North, Suite 375, Atlanta, GA 30339

PLANT: Kingman, KS (P monofil & film cordage)

Summerville, SC (P monofil & film fabrics)

The company also weaves *Baxon* carpet backing and packaging fabrics at Summerville, SC.**FIBERS & FABRICS OF GEORGIA, INC.**

Subsidiary of Georgia Synthetics, Inc.

EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635

PLANT: Elberton, GA (P yarns, fibrillated, roll embossed filaments & ribbon yarn)

FIBERS SOUTH, INC.

EXECUTIVE OFFICE: P.O. Box 189, Trussville, AL 35173

PLANT: Trussville, AL *Polystar, Trustite & Tyrite* (P film, monofil, tapes & staple)**FILAMENT FIBER TECHNOLOGY
INCORPORATED**

EXECUTIVE OFFICE: 999 Airport Road, Lakewood, NJ 08701

PLANT: Lakewood, NJ (P yarn)

FNT INDUSTRIES, INC.

EXECUTIVE OFFICE: 927 First Street, Menominee, MI 49858

PLANT: Menominee, MI (E monofil)

FOSS MANUFACTURING CO., INC.

EXECUTIVE OFFICE: See Listing on Page 252.
(P staple-captive)

GENERAL FIBERS & FABRICS, INC.

EXECUTIVE OFFICE: Orchard Hill Road, LaGrange Industrial Park,
LaGrange, GA 30240
PLANT: LaGrange, GA (P film)
The company also weaves *Supertuff* carpet backing as well as bagging
and woven polypropylene fabrics here.

GEORGIA SYNTHETICS, INC.

EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (P film carpet backing)
Also see listing for **Fibers & Fabrics of Georgia, Inc.**

GFF HOLDING COMPANY

(Formerly NSI, Inc.)

ADMINISTRATIVE OFFICE: Box 658, Soperton, GA 30457
PLANT: Soperton, GA (P film-captive)
The company weaves carpet backing here.

HERCULES INCORPORATED

HERCULES ENGINEERED & FABRICATED PRODUCTS
COMPANY, FIBERS

EXECUTIVE OFFICE: Hercules Plaza, Wilmington, DE 19894
MARKETING HEADQUARTERS: 3169 Holcomb Bridge Rd., Suite
301, Norcross, GA 30071
REGIONAL SALES: 280 Railroad Avenue, Greenwich, CT 06830
PLANT: Oxford, GA *Elustra*, *Herculon*, *Nouvelle* (P yarn & staple)

THE HOOVEN & ALLISON COMPANY

EXECUTIVE OFFICE: 677 Cincinnati Avenue, Xenia, OH 45385
PLANT: Xenia, OH (P film cordage)

INTEGRATED PRODUCTS, INC.

EXECUTIVE OFFICE: P.O. Box 1791, Rome, GA 30161
PLANT: Rome, GA (P staple)

J & J INDUSTRIES

EXECUTIVE OFFICE: P.O. Box 1287, Dalton, GA 30722
PLANT: Dalton, GA (P yarn)

JAMES RIVER CORPORATION

(Formerly Crown Zellerbach Corp.)

EXECUTIVE OFFICE: 1 Bush Street, San Francisco, CA 94119
SALES HEADQUARTERS: 3720 Grant Street, Washougal, WA
98671
PLANT: Washougal, WA *Celestra*, *Fibretext* (P spunbonded)

JOHNSON FILAMENTS

EXECUTIVE OFFICE: See Listing on Page 252.
PLANT: Williston, VT (P monofil)

KIMBERLY-CLARK CORPORATION

EXECUTIVE OFFICE: 1400 Holcomb Bridge Road, Roswell, GA
30076
PLANT: Corinth, MS; Balfour, NC; LaGrange, GA & Neenah, WI
Accord, *Duraguard*, *Evolution* (P spunbonded), *Cyclean*, *Evolution*
III (P spunbonded/meltblown laminate)

LAMBETH CORPORATION

EXECUTIVE OFFICE: 627 Tarklin Hill Road, New Bedford, MA 02745
PLANT: New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE HOSE COMPANY

A Consolidated Foods Company

SALES OFFICE: P.O. Box 1838, Burlington, NC 27215
PLANT: Burlington, NC (E monofil-captive)

LORETEX

DIVISION OF OIVIND LORENTZEN, INC.

EXECUTIVE OFFICE: 522 Fifth Avenue, New York, NY 10036
REGIONAL SALES: Northeastern Industrial Park, Guilderland
Center, NY 12505
PLANT: Guilderland Center, NY (E film-captive)

MIRAFI INC.

Subsidiary of Dominion Textiles

EXECUTIVE OFFICE: P.O. Box 240967, Charlotte, NC 28224
PLANT: Moultrie, GA (P film-captive)

THE OSTERNECK COMPANY

EXECUTIVE OFFICE: P.O. Box 859, Lumberton, NC 28359
PLANT: Lumberton, NC (P film)
The company weaves carpet backing and industrial goods here.

PHILLIPS FIBERS CORPORATION

Subsidiary of Phillips 66 Company

EXECUTIVE OFFICE: P.O. Box 66, Interstate 85, Greenville, SC
29602
PLANT: Rocky Mount, NC; Seneca & Spartanburg, SC *Marvess* (P
yarn, staple & tow)
The company also manufactures *Duon*, *Petromat*, *Rufon* & *Supac* non-
woven fabrics at Seneca, SC.

POLYLOOM CORP. OF AMERICA

EXECUTIVE OFFICE: 1615 N. Broadway, P.O. Box 289, Dayton, TN
37321
PLANT: Dayton, TN *Polyloom* (P split film)

RANGER TEXTILE CORPORATION

(Formerly Gladding Cordage Corporation)

EXECUTIVE OFFICE: Gladding St., South Otselic, NY 13155
PLANT: South Otselic, NY (P monofil)

REEMAY, INC.

EXECUTIVE OFFICE: See Listing on Page 253.
PLANT: Old Hickory, TN *Typar* (P spunbonded)

SARLON INDUSTRIES, INC.

EXECUTIVE OFFICE: 775 N.W. 71st Street, Miami, FL 33150
PLANT: Miami, FL (P monofil & film)

SHAKESPEARE MONOFILAMENT DIVISION

EXECUTIVE OFFICE: See Listing on Page 253.
PLANT: Columbia, SC (P monofil)

SHUFORD MILLS, INC.

EXECUTIVE OFFICE: Highland Avenue & 15th Street, N.E., Hickory, NC 28601
PLANT: Hickory, NC (P film, cordage & twine)

SOLUTION FIBERS INC.

EXECUTIVE OFFICE: P.O. Box 447, 110 West McCarter Road, Lafayette, GA 30728
PLANT: Lafayette, GA *Better Body, Luxene* (P yarn)

SOUTHERN WEAVING, INC.

PLANT: Greenville, SC (P yarn)

STEVENS FIBER DIVISION, STEVENS LINEN ASSOC., INC.

EXECUTIVE OFFICE: P.O. Box 220, Webster, MA 01570
PLANT: Dudley, MA (P staple)

SUNSHINE CORDAGE CORPORATION

EXECUTIVE OFFICE: See Listing on Page 253.
PLANT: Miami, FL (E & P monofil, cordage)

SYNTHETIC INDUSTRIES

EXECUTIVE OFFICE: 309 Lafayette Road, Chickamauga, GA 30707
PLANT: Chickamauga & Dalton, GA (P film & staple)

SYNTHETIC INDUSTRIES, FIBRON DIVISION

EXECUTIVE OFFICE: Chickamauga, GA
PLANT: Chattanooga, TN *Fibri-Cord, Fibri-knit, Fibrilawn, Fibrilon* (P film)

TECHLON FIBERS CORPORATION

EXECUTIVE OFFICE: 3359 Blake Drive, Dalton, GA 30720
PLANT: Dalton, GA (P yarn)

TECHNOTRADE

PLANT: Dalton, GA (P yarn)

TOLARAM FIBERS, INC.

EXECUTIVE OFFICE: See Listing on Page 253.
PLANT: Ansonville, NC (P yarn)

TRUSTITE DIVISION OF FIBERS SOUTH, INC.

EXECUTIVE OFFICE: See Fibers South Listing on Page 254.
PLANT: Clearfield UT *Trustite & Tyrite* (P film)

TWINE PRODUCTS CORPORATION

EXECUTIVE OFFICE: 201 Dufossat, P.O. Box 15285, New Orleans, LA 70175
PLANT: New Orleans, LA (P film)

UNITED STATES ROPE COMPANY

EXECUTIVE OFFICE: 711 Hamilton Avenue, Menlo Park, CA 94025
PLANT: Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC.

EXECUTIVE OFFICE: P.O. Box 830, Granite Quarry, NC 28072
PLANT: Granite Quarry, NC (E & P monofil rope and cordage)

WALTRICH PLASTIC CORPORATION

EXECUTIVE OFFICE: P.O. Box D, Walthourville, GA 31333
PLANT: Walthourville, GA (P monofil)

WAYN-TEX INC.

EXECUTIVE SALES OFFICE: Box 648, Dalton, GA 30720
PLANT: Waynesboro, VA
The company weaves *Wayntuf* primary carpet backing (captive).

WELLINGTON PURITAN MILLS (MONTAIR DIV.)

EXECUTIVE OFFICE: Nelson Street, Pilot Mountain, NC 27401
PLANT: Pilot Mountain, NC *Pur-Ty, Welltite* (P yarn & E & P monofil & film)

WELLINGTON SYNTHETIC FIBRES, INC.

EXECUTIVE OFFICE: 52 Courtland Street, Paterson, NJ 07503
PLANT: Leesville & Summerville, SC (P yarn & monofil)
The company also weaves outdoor furniture webs at Leesville.

The following companies are also producing a variety of textile products from olefin: *Cirtex* (P film); *Continental* (P yarn); *Conwed Corp.* *Conwed Plastic Netting* (P embossed film for netting); *Dicoy* (P yarn); *E.I. du Pont de Nemours & Company (Inc.)* (E & P embossed film for netting); *Hercules Incorporated, Polymers Division Delnet* (E embossed film for netting); *Nalle Inc.* (P embossed film for netting); *Riegel Products Corporation Polyweb* (P meltblown); and *The 3M Company* (P spunbonded).

TEXTILE GLASS FIBER**CERTAINTED CORPORATION****FIBER GLASS REINFORCEMENTS DIVISION**

EXECUTIVE OFFICE: P.O. Box 860, Valley Forge, PA 19482
REGIONAL SALES: 1801 E. Parkcourt Place, Bldg. D., Suite 104, Santa Ana, CA 92701
1464 Guava Avenue, Melbourne, FL 32935
306 Bellcourt Parkway, Rosewell, GA 30076
854 Fairway Drive, Bensenville, IL 60106
533-A Mur Len Road, Olathe, KS 66061
1976 Wooddale Blvd., Baton Rouge, LA 70806
103 Kilby Street, Hingham, MA 02043
1450 Souter Street, Troy, MI 48063-2986
2030 52nd Street, Ashtabula, OH 44004
5555 Airport Hwy., Suite 210, Toledo, OH 43615
1400 Union Meeting Road, Blue Bell, PA 19422
West Oak Square Offices, 4009 Anderson Mill Road, Spartanburg, SC 29301

CERTAINTED CORPORATION (Continued):

4811 Lebanon Road, Hermitage, TN 37076

6326 Hart, Forth Worth, TX 76112

7414 N.E. Hazel Dell Avenue, Suite 207, Vancouver, WA 98665

PLANT: Wichita Falls, TX (roving, woven roving, mat, chopped strand & combination; product)

F.G.I. FIBERS, INC.

EXECUTIVE OFFICE: Homestead Place, Amsterdam, NY 12010

PLANT: Amsterdam, NY (roving & chopped)

GAF BUILDING MATERIALS CORPORATION

EXECUTIVE OFFICE: 1361 Alps Road, Wayne, NJ 07670

PLANT: Irwindale, CA *Chemglass* (chopped), Nashville, TN (chopped)

GFT (GLASS FIBER TECHNOLOGY)

EXECUTIVE OFFICE: P.O. Box 670, Chester, SC 29706

PLANT: Chester, SC (wet chop for shingles)

LUNDY TECHNICAL CENTER

EXECUTIVE OFFICE: Pompano Beach, FL 33064

PLANT: Pompano Beach, FL *RoMHOglas* (metalized glass fiber roving & strand and nonwoven metalized glass mat)

MANVILLE SALES CORPORATION**MATS, FIBER & REINFORCEMENTS DIVISION**

EXECUTIVE OFFICE: P.O. Box 517, Toledo, OH 43693

PLANT: Waterville, OH & Etowah, TN *Chop-Pak*, *Dura-Glass*, *Star Rov*, *Star Stran* (mat, chopped strand, staple yarn, sliver & rovings)

NICOFIBERS INC.

EXECUTIVE OFFICE: Ironpoint Road, Shawnee, OH 43782

PLANT: Shawnee, OH *Conformat*, *Consumat*, *Sumat* (mat)

OWENS-CORNING FIBERGLAS CORPORATION

EXECUTIVE OFFICE: Fiberglas Tower, Toledo, OH 43659

REGIONAL SALES: 2215 Sanders Road, Northbrook, IL 60062

15300 W. 8 Mile, Oak Park, MI 48237

Bldg. 5601, 77 Center Drive, Suite 240, Charlotte, NC 28210

5700 Pearl Road, Suite 104, Cleveland, OH 44129

900 West Valley Road, Suite 1101, Wayne, PA 19087

12880 Hillcrest, Suite 100, Dallas, TX 75230

12301 N.E. 10th Place, Bellevue, WA 98005

PLANT: Huntingdon, PA; Aiken & Anderson, SC &

Amarillo, TX *Araton*, *Beta*, *Bi-Ply*, *Fiberglas*, *S-Glass*, *S-2 Glass*,

Type 30 (yarn, roving, woven roving, mat chopped & milled)

PPG INDUSTRIES, INC.**FIBER GLASS PRODUCTS**

EXECUTIVE OFFICE: One PPG Place, Pittsburgh, PA 15272

REINFORCEMENT PRODUCTS:

REGIONAL SALES: 23441 South Pointe Drive, Suite 145, Laguna Hills CA 92653.

500 Sugar Mill Road, Bldg. A, Suite 210, Atlanta, GA 30338

246 East Janata Blvd., Suite 200, Lombard, IL 60148

2155 West Big Beaver Road, P.O. Box 3510, Troy, MI 48007-3510

AUTOMOTIVE SALES OFFICE: 2155 West Big Beaver Road, P.O.

Box 3510, Troy, MI 48007-3510

TEXTILE PRODUCTS: 1601 East Garrison Blvd., Suite 210, Gastonia, NC 28054

2253 South Avenue, Westfield, NJ 07090

PLANT: Lexington & Shelby, NC (yarn, roving, mat, milled fiber, chopped strand, woven roving & rubber reinforcements)

SUPERIOR GLASS FIBERS, INC.

EXECUTIVE OFFICE: P.O. Box 89, Bremen, OH 43107

PLANT: Bremen, OH (mat)

**TABLE 2:
LOCATION OF U.S. MAN-MADE FIBER
PRODUCT-PRODUCING PLANTS**

STATES & AREA	CELLULOSIC ^a	NONCELLULOSIC						TEXTILE GLASS	GRAND TOTAL
		ACRYLIC ^b	NYLON ^c	OLEFIN	POLYESTER	OTHER ^d	TOTAL		
NEW ENGLAND									
CONNECTICUT				1			1		1
MAINE				1			1		1
MASSACHUSETTS				2	1	1	4		4
RHODE ISLAND				3			3		3
VERMONT			1	1	1		3		3
TOTAL NEW ENGLAND			1	8	2	1	12		12
MID-ATLANTIC									
DELAWARE			1				1		1
MARYLAND			1	1	1	1	4		4
NEW JERSEY				1			1		1
NEW YORK			2	3	1	1	7	1	8
PENNSYLVANIA					1		1	1	2
TOTAL MID-ATLANTIC			4	5	3	2	14	2	16
PIEDMONT									
N. CAROLINA			4	11	9	1	25	2	27
S. CAROLINA	2	1	11	7	10	2	31	3	36
VIRGINIA	2	2	7	6	2	2	19		21
WEST VIRGINIA			1		1		2		2
TOTAL PIEDMONT	4	3	23	24	22	5	77	5	86
SOUTH									
ALABAMA	1	2	3	2	1		8		9
FLORIDA		1	2	2			5	1	6
GEORGIA			6	20	1		27		27
LOUISIANA				3			3		3
MISSISSIPPI				2			2		2
TENNESSEE	3		2	4	4		10		13
TEXAS								2	2
TOTAL SOUTH	4	3	13	33	6		55	3	62
MID-WEST & WEST									
CALIFORNIA			1	2	1		4	1	5
IOWA			1	1			2		2
KANSAS				1			1		1
MICHIGAN				1			1		1
MINNESOTA				1			1		1
MISSOURI									
OHIO				1			1	2	3
OREGON				1			1		1
UTAH				1			1		1
WASHINGTON									
WISCONSIN				1			1		1
TOTAL MIDWEST & WEST			2	10	1		13	3	16
TOTAL NUMBER OF PLANTS	8	6	43	80	34	8	171	13	192
TOTAL NUMBER OF STATES	4	4	14	26	13	6	29	8	30

a. Cellulosic includes rayon, acetate and triacetate.

b. Acrylic includes modacrylic.

c. Nylon includes aramid.

d. Other includes 1 fluorocarbon, 1 PBI, 1 polycarbonate, 1 saran, 3 spandex and 1 vinyon.

TABLE 3:
RAW FIBER EQUIVALENT OF IMPORTS & EXPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES
MILLION POUNDS (REVISED)

COMMODITY	AVG ANNUAL GROWTH RATE		MAN-MADE FIBER					AVG ANNUAL GROWTH RATE		COTTON					AVG ANNUAL GROWTH RATE		WOOL					
	1971-1981	1982-1986	1982	1983	1984	1985	1986	1971-1981	1982-1986	1982	1983	1984	1985	1986	1981	1982-1986	1982	1983	1984	1985	1986	
IMPORTS																						
	SEMI-MANUFACTURED PRODUCTS																					
	3.9 26.0		38.2	58.0	72.1	80.9	96.3	-2.8 38.8	28.5	42.1	54.8	56.4	105.9	-7.1 15.5	7.7	7.6	16.3	14.1	13.7			
	-2.0 23.4		105.7	138.0	170.4	214.3	245.0	3.4 18.9	266.5	346.3	450.8	437.1	532.9	9.0 0.8	25.6	28.1	39.0	37.2	26.4			
	-0.8 24.1		143.9	196.0	242.5	295.2	341.3	2.8 21.3	295.0	388.4	505.6	493.5	638.8	4.0 4.8	33.3	35.7	55.3	51.3	40.1			
	SUBTOTAL																					
MANUFACTURED PRODUCTS	5.5 17.6		486.5	576.0	689.2	800.6	929.8	12.9 18.8	510.5	622.8	759.7	895.5	1015.9	2.7 35.3	46.4	58.8	80.8	137.1	155.5			
	-29.1 26.3		1.1	1.3	0.5	0.9	2.7	0.5 46.9	10.0	14.3	37.7	46.2	46.6									
	6.4 59.4		66.5	296.1	410.4	394.3	429.2	4.8 28.6	67.0	78.0	140.3	165.7	193.0	6.5 33.8	19.6	34.8	52.1	60.5	62.8			
								0.3 15.7	14.7	31.9	22.2	28.3	26.3	-11.3 20.7	0.8	2.6	1.2	1.3	1.7			
	5.3 25.2		554.1	873.4	1100.1	1195.8	1361.7	10.8 20.6	602.2	747.0	959.9	1135.7	1271.8	3.2 34.7	66.8	96.2	134.1	198.9	220.0			
	3.5 25.0		698.0	1069.4	1342.6	1491.0	1703.0	6.9 20.8	897.2	1135.4	1465.5	1629.2	1910.6	3.5 27.0	100.1	131.9	189.4	250.2	260.1			
TOTAL IMPORTS																						
EXPORTS																						
	SEMI-MANUFACTURED PRODUCTS																					
	19.6 4.5		40.2	35.3	38.3	51.1	47.9	7.1 -13.7	30.1	31.2	20.2	25.8	16.7	-4.0 6.5	4.9	4.0	2.7	9.1	6.3			
	12.5 1.3		174.8	148.6	152.6	158.6	184.3	-0.2 10.5	84.8	59.4	64.8	82.3	126.4	14.3 13.2	1.4	1.1	1.4	1.6	2.3			
	13.5 1.9		215.0	183.9	190.9	209.7	232.2	1.0 5.6	114.9	90.6	85.0	108.1	143.1	-0.7 8.1	6.3	5.1	4.1	10.7	8.6			
	SUBTOTAL																					
MANUFACTURED PRODUCTS	22.3 -0.1		75.2	70.8	79.4	65.2	74.9	15.0 -2.0	80.0	72.1	68.3	55.5	73.9	16.1 7.0	2.9	3.0	2.7	3.8	3.8			
	24.0 12.9		27.8	23.2	31.3	30.4	46.3	0.1 10.1	14.3	11.6	15.0	16.5	21.0									
	22.0 7.2		65.9	10.7	102.9	70.3	86.8	9.1 -2.9	41.0	44.6	37.2	32.6	36.4	-14.3 0	0.2	0.2	0.2	0.1	0.2			
	10.7 9.7		54.6	172.1	83.3	73.6	79.1	6.0 -34.2	3.2	0.7	0.6	0.5	0.6	5.2 1.7	1.4	1.5	1.8	1.2	1.5			
	18.8 6.4		223.5	276.8	296.9	239.5	287.1	10.2 -1.2	138.5	129.0	121.1	105.1	131.9	6.1 5.1	4.5	4.7	4.7	5.1	5.5			
	15.8 4.3		438.5	460.7	487.8	449.2	519.3	5.0 2.1	253.4	219.6	206.1	213.2	275.0	2.3 6.9	10.8	9.8	8.8	15.8	14.1			
SUBTOTAL																						
NET EXPORTS (+)																						
OR NET IMPORTS (-)																						
		-259.5 -608.7 -854.8 -1041.8 -1183.7																				
		-643.8 -915.8 -1259.4 -1416.0 -1635.6																				
		-89.3 -122.1 -180.6 -234.4 -246.0																				

SOURCE: U.S. Department of Agriculture, Cotton and Wool Outlook & Situation.

a. Includes silver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 page 52 of the March 1987 *Organon*.

Man-made fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1990-1986 only; the corresponding quantities for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 108.8, 162.0 & 95.2.

b. Includes broad & narrow woven fabrics and knit cloth.

c. Includes tire cord and tire cord fabric for man-made fiber data.

d. Includes carpets and rugs. Lace window curtains are in All Other.

e. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. For 1983, 1984, 1985 & 1986 man-made fiber include imports of soft-sided luggage. The corresponding quantities for each year are, respectively, 180.5, 228.0, 157.4 & 169.3.

f. For 1984, 1985 & 1986 cotton include imports of soft-sided luggage. The corresponding quantities for each year are, respectively, 18.7, 8.2, & 30.1.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 4:
QUARTERLY U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER,
COTTON & WOOL MANUFACTURES
MILLION POUNDS

PRODUCTS	1ST QUARTER 1986			2ND QUARTER 1986			3RD QUARTER 1986			4TH QUARTER 1986			1ST QUARTER 1987			2ND QUARTER 1987		
	IMP	EXP	BAL ^a	IMP	EXP	BAL ^a	IMP	EXP	BAL ^a	IMP	EXP	BAL ^a	IMP	EXP	BAL ^a	IMP	EXP	BAL ^a
RAYON & ACETATE																		
YARN+MONOFILAMENTS	4.1	1.7	2.4 I	4.9	2.1	2.8 I	3.7	1.8	1.9 I	4.2	1.7	2.5 I	3.0	1.8	1.2 I	2.5	1.5	1.0 I
STAPLE+TOW	4.2	10.5	6.3 E	3.9	5.4	1.5 E	4.9	7.8	2.9 E	4.4	8.9	4.5 E	4.1	9.1	5.0 E	3.9	8.5	4.6 E
WASTE	+	0.5	0.5 E	0.1	0.6	0.5 E	+	0.6	0.6 E	+	0.6	0.6 E	0	0.4	0.4 E	+	0.2	0.2 E
SUBTOTAL	8.3	12.7	4.4 E	8.9	8.1	0.8 I	8.6	10.2	1.6 E	8.6	11.2	2.6 E	7.1	11.3	4.2 E	6.4	10.2	3.8 E
NONCELLULOSE FIBERS																		
YARN+MONOFILAMENTS	25.6	76.3	50.7 E	29.5	70.3	40.8 E	33.7	55.0	21.3 E	37.2	54.1	16.9 E	34.1	55.2	21.1 E	29.1	57.3	28.2 E
STAPLE+TOW	46.0	72.8	26.8 E	42.9	59.5	16.6 E	46.1	57.1	11.0 E	47.8	74.4	26.6 E	48.9	94.7	45.8 E	46.1	93.9	47.8 E
WASTE	10.7	30.0	19.3 E	10.4	31.4	21.0 E	9.6	26.6	17.0 E	9.6	35.6	26.0 E	13.0	30.7	17.7 E	11.8	28.9	17.1 E
SUBTOTAL	82.3	179.1	96.8 E	82.8	161.2	78.4 E	89.4	138.7	49.3 E	94.6	164.1	69.5 E	95.0	180.6	84.6 E	87.0	180.1	93.1 E
TOTAL FIBER ABOVE	90.6	191.8	101.2 E	91.7	169.3	77.6 E	98.0	148.9	50.9 E	103.2	175.3	72.1 E	103.1	191.9	88.8 E	93.4	190.3	96.9 E
MAN-MADE FIBER MANUFACTURES																		
SLIVER, TOPS & ROVING	1.0	1.4	0.4 E	0.8	1.1	0.3 E	0.9	0.8	0.1 I	0.7	1.3	0.6 E	1.0	1.1	0.1 E	2.4	1.1	1.3 I
SPUN YARNS	12.4	10.2	2.2 I	16.9	11.8	5.1 I	18.9	7.2	11.7 I	16.4	9.0	7.4 I	14.5	8.2	6.3 I	18.3	11.2	7.1 I
THREAD & CRAFT YARNS	1.3	1.0	0.3 I	1.3	1.4	0.1 E	1.2	0.9	0.3 I	0.9	1.7	0.8 E	2.3	1.5	0.8 I	2.3	2.0	0.3 I
TIRE CORD & FABRIC	0.6	11.7	11.1 E	0.7	12.8	12.1 E	0.6	9.0	8.4 E	0.8	12.8	12.0 E	0.9	13.6	12.7 E	1.4	14.8	13.4 E
WOVEN FABRIC	52.5	30.2	22.3 I	60.4	32.3	28.1 I	53.3	36.8	16.5 I	41.0	35.3	5.7 I	42.6	33.9	8.7 I	50.2	42.7	7.5 I
KNIT FABRIC	2.4	2.8	0.4 E	2.3	3.1	0.8 E	3.5	2.9	0.6 I	4.3	2.9	1.4 I	4.8	2.5	2.3 I	3.9	3.2	0.7 I
NARROW FABRIC	7.0	8.3	1.3 E	7.3	10.5	3.2 E	5.9	9.3	3.4 E	5.1	9.9	4.8 E	3.3	10.6	7.3 E	4.1	11.5	7.4 E
APPAREL - KNIT	81.9	116.6	195.9 I	112.1	119.1	207.7 I	149.3	119.4	266.4 I	87.9	119.8	184.5 I	95.4	119.7	224.0 I	139.1	121.1	256.1 I
- NOT KNIT	130.6	17.7	180.3 I	114.7	20.7	175.5 I	136.5	18.5	168.6 I	116.4	29.9	162.8 I	148.3	22.3	167.9 I	138.1	27.9	177.1 I
HOME FURNISHINGS	115.1	17.1		115.4	19.2		108.2	21.1		114.5	21.8		111.3	21.1		128.6	23.6	
OTHER																		
TOTAL MANUFACTURES	404.8	117.0	287.8 I	431.9	132.0	299.9 I	478.3	125.9	352.4 I	388.0	144.4	243.6 I	424.4	134.5	289.9 I	488.4	159.1	329.3 I
TOTAL MAN-MADE FIBER & MANUFACTURES	495.4	308.8	186.6 I	523.6	301.3	222.3 I	576.3	274.8	301.5 I	491.2	319.7	171.5 I	527.5	326.4	201.1 I	581.8	349.4	232.4 I
COTTON MANUFACTURES	512.1	57.3	454.8 I	463.1	70.3	392.8 I	486.0	68.5	417.5 I	449.3	78.7	370.6 I	600.1	72.5	527.6 I	563.9	74.2	489.7 I
WOOL MANUFACTURES	48.5	3.7	44.8 I	67.4	4.7	62.7 I	93.3	3.2	90.1 I	66.4	4.4	62.0 I	51.5	4.4	47.1 I	76.6	5.8	70.8 I

SOURCES: The man-made fiber import and export data are from the U.S. Census Bureau Reports IM146 and EM 546.

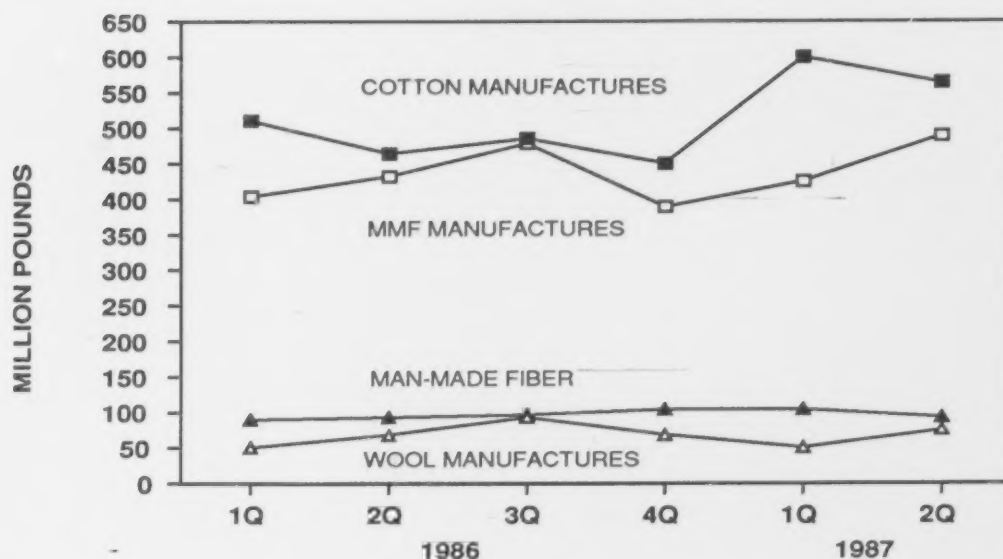
The man-made, cotton and wool manufactures data are from U.S. Department of Agriculture "Cotton and Wool Outlook Situation."

a. E Export Balance; I Import Balance.

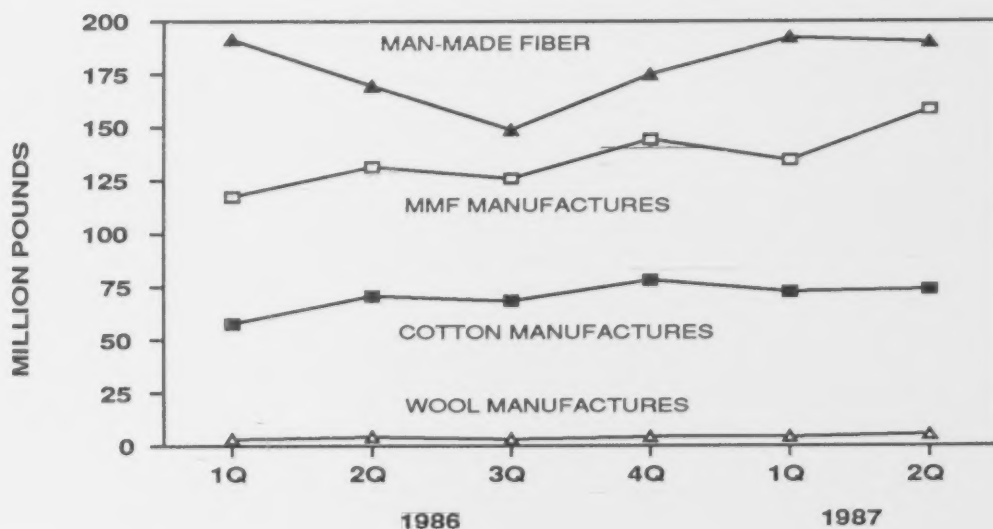
The total man-made fiber and manufactures import, export and balance data of this table cover the cellulosic and noncellulosic fibers only; textile glass fiber is excluded.

GRAPH 1:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES
MILLION POUNDS

IMPORTS



EXPORTS



- ▲ MAN-MADE FIBER
- ◻ MMF MANUFACTURES
- COTTON MANUFACTURES
- ▲ WOOL MANUFACTURES

**GRAPH 2:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER**

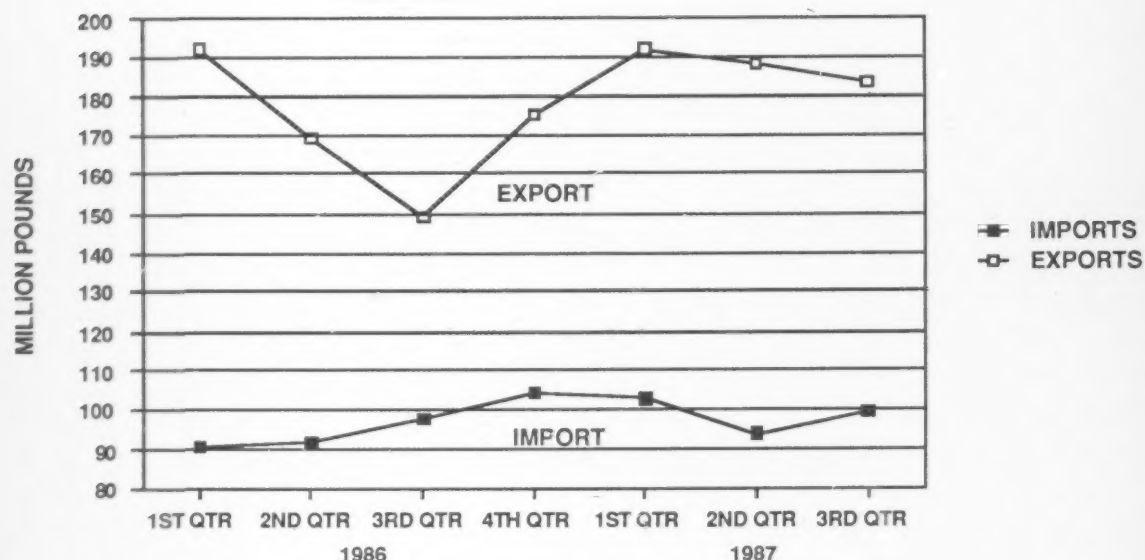


**TABLE 5:
MAN-MADE FIBER QUARTERLY TRADE BALANCE
MILLION POUNDS**

	CELLULOSIC YARN & MONOFIL			CELLULOSIC STAPLE+TOW			NONCELLULOSIC YARN & MONOFIL			NONCELLULOSIC STAPLE+TOW			CELLULOSIC WASTE			NONCELLULOSIC WASTE			TOTAL		
	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL
1986																					
1ST QUARTER	4.1	1.7	-2.4	4.2	10.5	+6.3	25.5	76.3	+50.8	46.0	72.9	+26.9	+	0.5	+0.5	10.7	30.0	+19.3	90.5	191.9	+101.4
2ND QUARTER	4.9	2.1	-2.8	3.9	5.3	+1.4	29.5	70.2	+40.7	42.9	59.5	+16.6	+	0.6	+0.6	10.5	31.4	+20.9	91.7	169.1	+77.4
3RD QUARTER	3.7	1.8	-1.9	4.9	7.8	+2.9	33.6	55.0	+21.4	55.9	57.1	+11.2	+	0.6	+0.6	9.5	26.6	+17.1	97.6	148.9	+51.3
4TH QUARTER	4.2	1.7	-2.5	4.4	9.0	+4.6	37.2	54.1	+16.9	8.7	74.3	+25.6	+	0.6	+0.6	9.6	35.7	+26.1	104.1	175.4	+71.3
TOTAL	16.9	7.3	-9.6	17.4	32.6	+15.2	125.8	255.6	+129.8	183.6	263.8	+80.3	+	2.3	+2.3	40.3	123.7	+83.4	383.9	685.3	+301.4
1987																					
1ST QUARTER	3.0	1.8	-1.2	4.1	9.1	+5.0	34.1	55.2	+21.1	48.9	94.7	+45.8	0	0.4	+0.4	13.0	30.7	+17.7	103.1	191.9	+88.8
2ND QUARTER	2.5	1.5	-1.0	3.9	8.5	+4.6	29.1	57.3	+28.2	46.1	91.9	+45.8	+	0.2	+0.2	11.8	28.9	+17.1	93.4	188.3	+94.9
3RD QUARTER	2.8	1.4	-1.4	3.0	13.2	+10.2	30.8	60.1	+29.3	52.4	85.2	+32.8	0	0.2	+0.2	10.6	23.8	+13.2	99.6	183.9	+84.3
4TH QUARTER																					
TOTAL	8.3	4.7	-3.6	11.0	30.8	+19.8	94.0	172.6	+78.6	147.4	271.8	+124.4	0.0	0.8	+0.8	35.4	83.4	+48.0	296.1	564.1	+268.0

SOURCES: The fiber import and export data are from the U.S. Bureau of the Census (Reports IM145X and EM522).

TABLE 6:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1987												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRIA	0	138	0	43	42	21	0	0	0				244	30
BRAZIL	86	29	0	28	54	88	29	44	64				422	249
CANADA	425	368	175	323	285	70	137	180	248				2211	3701
GERMANY, FED. REP.	442	229	561	363	332	352	370	499	426				3574	3830
JAPAN	209	10	39	39	6	38	66	16	63				486	304
MEXICO	3	15	10	102	28	18	58	111	104				449	469
NETHERLANDS	101	43	105	147	38	40	42	176	63				755	1556
ALL OTHER COUNTRIES ^a	1	3	1	0	1	27	14	80	30				157	1473
TOTAL CELLULOSIC YARN	1267	835	891	1045	786	654	716	1106	998				8298	11612
CELLULOSIC STAPLE+TOW														
CANADA	749	1188	1356	1230	841	1185	420	1115	885				8969	8904
ITALY	88	0	59	51	61	35	78	149	66				587	248
JAPAN	59	168	168	18	98	61	59	60	94				785	834
SWEDEN	43	0	0	48	89	39	0	0	0				219	445
UNITED KINGDOM	46	5	73	24	0	41	42	27	41				299	625
ALL OTHER COUNTRIES ^b	0	63	4	7	0	36	5	0	0				115	2003
TOTAL CELLULOSIC STAPLE+TOW	985	1424	1660	1378	1089	1397	604	1351	1086				10974	13059
NONCELLULOSIC YARN, MONOFIL & STRIPS														
BELGIUM	1408	1377	559	560	653	849	671	2122	893				9092	8744
CANADA	890	1976	1613	1605	1802	1214	1426	1726	1624				13876	11430
CHINA, PRC	0	0	94	0	267	30	0	0	0				391	60
COSTA RICA	729	515	642	589	590	564	585	489	510				5213	4862
DENMARK	31	62	0	0	32	30	30	0	30				215	122
FRANCE	686	685	659	648	306	678	331	91	72				4156	5834
GERMANY, FED. REP.	1744	2397	2421	2740	1373	1347	2176	2052	1900				18150	16286
IRELAND	81	58	0	0	106	79	54	0	35				413	322
ISRAEL	162	233	90	249	321	97	165	300	228				1845	2598
ITALY	1202	866	1292	1254	940	985	1020	394	1748				9701	9214
JAPAN	992	570	670	661	525	548	523	691	492				5672	6241
KOREA, REP. OF	41	21	22	20	60	25	25	25	72				311	223
MEXICO	1167	2037	2527	1939	1660	871	1829	1268	1757				15055	9112
NETHERLANDS	93	184	151	99	61	62	154	90	83				977	1106
SINGAPORE	73	0	66	44	21	23	49	55	0				331	90
SWITZERLAND	253	2	64	2	9	1	15	+	2				348	438
TAIWAN	14	39	63	46	34	116	104	89	106				611	819
UNITED KINGDOM	735	596	844	894	483	670	610	773	821				6426	5265
ALL OTHER COUNTRIES ^c	151	142	119	144	48	86	194	226	41				1151	6404
TOTAL NONCELLULOSIC YARN	10452	11760	11896	11494	9291	8275	9961	10391	10414				93934	89170
NONCELLULOSIC STAPLE+TOW														
AUSTRIA	61	18	130	177	38	312	274	287	240				1537	244
BELGIUM	21	36	18	18	53	1	+	17	0				164	379
BRAZIL	0	438	236	379	262	297	0	61	0				1673	608
CANADA	3125	3071	3201	2248	2236	2507	2725	1771	2893				23777	16770
FRANCE	955	588	532	585	520	1193	279	766	639				6057	7867
GERMANY, FED. REP.	2586	2359	2194	2463	1766	1951	2805	3147	4935				24206	23371
IRELAND	109	0	0	0	0	344	91	122	394				1060	218
ISRAEL	62	0	31	0	291	36	0	36	1				457	361
ITALY	2265	1688	2200	980	344	1183	100	853	1304				10917	15893
JAPAN	1849	1582	2230	2472	1577	2390	1698	2317	1574				17689	16990
KOREA, REP. OF	935	947	655	614	1247	956	1106	1254	819				8533	3687
MALAYSIA	48	95	0	95	87	95	0	48	48				516	96
MEXICO	1586	1232	1784	824	2080	1303	3161	3339	2043				17352	11371
ROMANIA	372	58	590	88	516	749	339	615	271				3598	1763
SWITZERLAND	71	152	198	89	17	70	66	34	96				793	624
TAIWAN	1911	1559	1338	2580	1985	2003	1774	2390	2019				17559	14882
UNITED KINGDOM	777	1280	1522	1264	1635	1032	953	1339	687				10489	17496
ALL OTHER COUNTRIES ^d	24	13	135	72	103	7	80	85	475				994	2172
TOTAL NONCELLULOSIC STAPLE+TOW	16757	15116	16994	14948	14757	16429	15451	18481	18438				147371	134792

+ Less than 1 thousand pounds.

a. Italy 79, Taiwan 40, France 15, Singapore 15, Australia 5, Belgium 1, Korea, Rep. of 1, United Kingdom 1.

b. Austria 76, Germany, Fed. Rep. 23, France 8, Venezuela 4, Finland 3, Belgium 1.

c. Spain 241, Romania 166, Australia 110, New Zealand 110, South Africa 88, Argentina 83, Finland 61, Austria 48, Chile 46, Turkey 42,

Iran 39, Morocco 33, Norway 32, Philippines 27, Sweden 9, Bangladesh 6, Thailand 4, Brazil 3, Greece 1, Guatemala 1, Iceland 1, El Salvador, Hong Kong.

d. Spain 425, Australia 182, Denmark 138, Costa Rica 91, Hong Kong 83, Turkey 38, China, PRC 17, Netherlands 16, Portugal 2, India 1, Sweden 1, Philippines.

**TABLE 7:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION
THOUSAND POUNDS**

		COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
ITEM			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS																
YARN - SINGLES																
TEXTURED		310.0106 & .0206	29	139	0	45	57	20	0	0	0				290	481
OTHER		310.0130 & .0230 a	1237	691	891	1000	729	607	704	1026	969				7854	10399
MONOFILAMENTS		309.0310 & .0610	0	5	0	0	0	0	0	+	0				5	15
STRIPS, \$1/LB & UNDER		309.2000*	1	0	0	0	0	27	12	80	29				149	717
SUBTOTAL ABOVE			1267	835	891	1045	786	654	716	1106	998				8298	11612
STAPLE		309.4320 & .4325	867	1402	1569	1336	1072	1397	542	1116	968				10269	12168
GROUPED FILAMENTS		309.3010 & .3310	118	22	91	42	17	0	62	235	118				705	891
SUBTOTAL ABOVE			985	1424	1660	1378	1089	1397	604	1351	1086				10974	13059
WASTE, ADVANCED&NOT ADVANCED		309.6615 & .7510	0	0	0	7	0	21	0	0	0				28	82
NONCELLULOSIC FIBERS																
YARN - SINGLES																
TEXTURED - NYLON																
LESS THAN 450 DENIER		310.0107 & .0207	142	163	113	123	147	150	188	228	170				1424	2254
MORE THAN 450 DENIER		310.0108 & .0208	2592	2933	3169	3131	1822	1660	1917	1752	2810				21786	23661
- POLYESTER		310.0110 & .0210	1000	2243	1670	1399	1016	650	1165	1062	1102				11307	9063
- OTHER		310.0114 & .0214	1876	2010	1396	1300	1785	1867	1595	3246	1980				17055	13634
OTHER - NYLON		310.0149 & .0249	2008	2121	2350	2348	1695	1694	2086	1757	2033				18092	16312
- POLYESTER		310.0150 & .0250	1918	1327	2088	2006	1590	1438	1693	1191	1329				14580	17678
- OTHER		310.0170 & .0270 b	445	486	610	680	713	358	725	622	443				5082	3515
MONOFILAMENTS		309.0200 & .0330 c	272	281	265	263	354	297	329	310	336				2707	1911
STRIPS, OVER \$1/LB		309.2100 & .2500*	199	196	235	244	169	161	263	223	211				1901	1142
SUBTOTAL ABOVE			10452	11760	11896	11494	9291	8275	9961	10391	10414				93934	89170
STAPLE - NYLON		309.4331 & .4351	5346	4106	5357	3521	2137	3037	1984	3374	3202				32064	37335
- POLYESTER		309.4336 & .4361	5335	5030	5122	4833	6596	5980	6805	7910	8667				56278	26790
- ACRYLIC		309.4366	1216	839	1202	1285	1073	1724	1521	1617	1516				11993	12522
- OLEFIN		309.4371	2	153	42	38	21	28	37	41	77				439	1702
- OTHER		309.4341 & .4390	479	904	1233	1011	918	1567	1152	1261	1103				9628	12477
GROUPED FILAMENTS																
NYLON		309.3030 & .3200	3012	2523	2383	2409	2436	2723	2548	2867	2765				23666	30122
POLYESTER		309.3040 & .3340	367	279	441	383	260	145	297	53	149				2374	1400
ACRYLIC		309.3050 & .3350	861	1144	1073	1290	1015	1104	947	1234	896				9564	10351
OTHER		309.3065 & .3365	139	138	141	178	301	121	160	124	63				1365	2093
SUBTOTAL ABOVE			16757	15116	16994	14948	14757	16429	15451	18481	18438				147371	134792
WASTE, NOT ADVANCED																
- NYLON		309.6625	2279	2182	3100	1454	2026	2732	2280	2160	2151				20364	16648
- POLYESTER		309.6630	1077	823	1475	867	525	1035	377	688	321				7188	4743
- ACRYLIC		309.6645	20	53	0	18	41	0	18	53	29				232	289
- OTHER		309.6660	415	518	810	415	460	339	269	199	399				3824	6385
NOILS & GARNETTED FIBERS		309.7000*	0	0	0	0	0	31	0	0	31				62	121
OTHER WASTE, ADVANCED		309.7525 & .7555	42	153	67	638	1016	243	848	551	266				3824	2482
SUBTOTAL ABOVE			3833	3729	5452	3392	4068	4380	3792	3651	3197				35494	30668
TOTAL MAN-MADE ABOVE			33294	32864	36893	32264	29991	31156	30524	34980	34133				296099	279383
OTHER MAN-MADE FIBER TOPS, YARN & THREAD																
YARN - PLIED																
TEXTURED - CELLULOSIC		310.1506	0	0	+	0	0	0	2	0	3				5	1
- NONCELLULOSIC		310.1015 d & .1205 e	142	337	528	392	440	487	299	322	381				3328	9217
OTHER - CELLULOSIC		310.1030 & .1535 f	5	85	77	43	19	72	12	72	16				404	389
- NONCELLULOSIC		310.1050 & .1070 g	336	339	306	285	157	214	252	266	289				2444	3319
SPUN YARN - CELLULOSIC		310.4005 & .4030 h	151	112	165	134	60	143	165	222	77				1229	2108
- OTHER		310.4015 & .4027 i	2574	3765	3067	3780	4318	3892	3561	2543	2389				29889	33975
OTHER YARNS - NES, INCL. CHENILLE		310.6034 - .8000	1493	1673	1629	2004	1943	2792	2993	2628	2849				20004	12297
HANDWORK YARNS & SEWING THREAD		310.9000 & .9310 j	831	662	737	690	689	915	811	562	844				6741	3690
SLIVER, TOPS & ROVING		309.9000	383	279	281	607	585	1021	594	260	716				4726	2639
TEXTILE GLASS FIBER		309.2800 & .2900 k	1431	1868	1653	2285	1279	2046	2459	4637	4240				21898	18237
GRAND TOTAL ABOVE			40643	41984	45336	42484	39481	42738	41672	46492	45937				386767	365255

SOURCE: U.S. Census Bureau Report IM145X.

NES Not elsewhere specified.

+ Less than 1 thousand pounds.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Separation of cellulosic and noncellulosic quantities are estimated, based primarily on average declared value.

a. Also includes 310.0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210.

f. Also includes 310.2110.

g. Also includes 310.1510, .1514, .1550, .1555, .1570, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9320 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

**TABLE 8:
U.S. EXPORTS OF MAN-MADE FIBERS
THOUSAND POUNDS**

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
FILAMENT YARN ^a															
TEXTURED	310.0004	43	100	101	24	17	12	36	28	135				496	85
OTHER ^b	310.0026	475	365	639	468	654	306	503	372	260				4042	5337
MONOFILAMENTS	309.0110	0	0	0	2	0	+	39	0	34				75	220
STRIPS	309.2210	1	1	40	2	13	0	3	11	4				75	14
SUBTOTAL ABOVE		519	466	780	496	684	318	581	411	433				4688	5656
STAPLE+TOW-RAYON	309.4222	3930	1732	3107	2705	2582	2700	4047	4355	4372				29530	22355
STAPLE-ACETATE	309.4219	33	112	156	112	215	164	144	96	159				1191	1287
SUBTOTAL ABOVE		3963	1844	3263	2817	2797	2864	4191	4451	4531				30721	23642
WASTE, ADVANCED&NOT ADVANCED	309.7400	231	169	47	134	52	35	50	113	12				843	1531
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0005 & .0007	2678	2441	2542	2077	2760	3503	2614	3644	3286				25545	18411
- HIGH TENACITY ^c	310.0027	7294	6373	5419	6719	7072	5385	8394	8212	4926				59794	55288
- OTHER	310.0029	636	684	605	753	883	1054	571	639	1020				6845	7989
POLYESTER - TEXTURED	310.0010	2151	2949	3145	2473	2079	1983	1523	1752	1467				19522	61790
- HIGH TENACITY ^c	310.0032	1691	1913	2308	1475	1806	2286	3231	2612	2259				19581	17041
- OTHER ^d	310.0034	160	233	152	75	201	161	122	139	112				1355	2099
OTHER - TEXTURED	310.0014	1053	1386	1502	1133	1406	1995	1520	1344	1405				12744	18318
- OLEFIN	310.0040	74	35	53	55	16	72	18	157	86				568	1511
- OTHER	310.0044	389	577	654	748	445	737	488	433	405				4876	4757
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	416	687	641	417	553	676	370	621	556				4937	3575
POLYESTER	309.0140	322	523	524	587	1447	1142	954	1154	1429				8082	4384
OTHER	309.0170	478	492	875	480	718	656	502	617	628				5446	3373
STRIPS	309.2220 & .2270	259	424	470	342	537	360	203	375	346				3316	2970
SUBTOTAL ABOVE		17601	18717	18890	17334	19923	20010	20510	21699	17927				172611	201506
STAPLE - NYLON	309.4240	2060	1757	2615	1445	2092	1258	1694	1315	1996				16232	10131
- POLYESTER	309.4242	18819	17019	16575	14494	13960	15011	11006	13848	12834				133566	73748
- ACRYLIC	309.4245	4792	3355	2531	2440	4482	5365	4746	4997	7953				40661	45935
- OLEFIN	309.4246	1893	2016	2642	2075	1583	1203	1849	1701	2060				17022	9904
- OTHER	309.4247	1004	3194	2027	2959	4586	7965	2919	1998	1925				28577	12389
GROUPED FILAMENTS															
NYLON	309.3220	283	737	386	275	259	470	401	350	394				3555	4164
POLYESTER ^d	309.3240	1941	1832	1578	2318	1728	1811	1233	1095	1939				15475	15451
ACRYLIC	309.3250 & .3255	1653	2207	1805	1980	2329	1768	2395	2116	2415				16668	17797
SUBTOTAL ABOVE		32445	32117	30159	27986	31019	34851	26243	27420	31516				271756	189519
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	1021	1143	1095	1164	1260	1066	225	892	641				8507	6139
- POLYESTER	309.7630	2830	4649	5303	5570	5293	4829	3927	4753	4135				41289	45639
- ACRYLIC	309.7640	1086	1362	1545	432	428	701	456	681	664				7355	4527
- OTHER	309.7660	2543	3090	5034	2174	2633	3380	1485	2039	3866				26244	31745
SUBTOTAL ABOVE		7480	10244	12977	9340	9614	9976	6093	8365	9306				83395	88050
TOTAL MAN-MADE ABOVE		62239	63557	66116	58107	64089	68054	57658	62459	63725				564014	509904
TEXTILE GLASS FIBER	309.2700 & .9700	5992	6585	7160	7265	7967	7821	6250	7599	6180				62819	44832
GRAND TOTAL ABOVE		68231	70142	73276	65372	72056	75875	63918	70058	69905				626833	554736

SOURCE: U.S. Census Bureau Report EM522.

+ Less than 1 thousand pounds.

a. Includes thrown, singles and plied yarn.

b. Includes rayon tire cord and cord fabric.

c. Includes noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

**TABLE 9:
QUARTERLY MAN-MADE FIBER DATA**

MILLION POUNDS

ITEM	1985					1986					1987				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
CELLULOSIC YARN ^d						YARN+MONOFILAMENTS									
PRODUCTION	52.8	54.5	48.4	48.9	204.6	54.3	54.7	54.1	51.7	214.8	46.2	46.7	45.2		
SHIPMENTS - DOMESTIC	44.4	48.0	46.6	48.1	187.1	48.6	50.4	47.7	45.4	192.1	39.2	43.6	40.2		
- EXPORT	7.3	6.0	4.6	5.1	23.0	4.7	5.1	4.9	5.5	20.2	5.0	5.9	6.1		
TOTAL SHIPMENTS	51.7	54.0	51.2	53.2	210.1	53.3	55.5	52.6	50.9	212.3	44.2	49.5	46.3		
ENDING STOCK	18.9	19.4	16.6	12.3		13.3	12.5	14.0	14.8		16.8	14.0	12.9		
NYLON															
PRODUCTION	370.8	360.3	386.7	397.0	1514.8	396.9	396.5	398.3	414.6	1606.3	414.1	427.5	432.9		
SHIPMENTS - DOMESTIC	323.7	353.0	368.9	371.8	1417.4	363.4	368.7	377.7	370.6	1480.4	389.3	394.8	405.8		
- EXPORT	33.5	25.0	33.3	26.6	118.4	26.7	28.2	25.1	32.8	112.8	32.1	37.9	33.7		
TOTAL SHIPMENTS	357.2	378.0	402.2	398.4	1535.8	390.1	396.9	402.8	403.4	1593.2	421.4	432.7	439.5		
ENDING STOCK	154.3	136.6	121.1	119.7		126.5	126.1	121.6	132.8		125.5	120.3	113.7		
OLEFIN ^e															
PRODUCTION	231.6	251.1	234.5	237.3	954.5	245.9	255.7	259.5	296.6	1057.7	255.8	283.9	287.4		
SHIPMENTS - DOMESTIC	223.6	246.0	234.4	233.6	937.6	241.3	258.4	257.8	291.7	1049.2	261.5	281.8	287.5		
- EXPORT	3.6	3.8	3.2	2.9	13.5	2.4	2.9	2.6	2.6	10.5	2.7	1.7	1.8		
TOTAL SHIPMENTS	227.2	249.8	237.6	236.5	951.1	243.7	261.3	260.4	294.3	1059.7	264.2	283.5	289.3		
ENDING STOCK	65.9	67.2	64.1	64.9		67.1	61.5	60.6	62.9		54.5	54.9	53.0		
POLYESTER															
PRODUCTION	316.2	340.8	345.9	318.0	1320.9	322.2	271.5	285.5	293.5	1172.7	287.7	303.3	293.9		
SHIPMENTS - DOMESTIC	290.1	311.6	309.2	293.3	1204.2	284.8	253.5	273.7	280.4	1092.4	267.8	286.2	281.8		
- EXPORT	17.7	30.6	29.0	31.0	108.3	21.8	23.8	14.3	17.4	77.3	15.4	17.4	14.8		
TOTAL SHIPMENTS	307.8	342.2	338.2	324.3	1312.5	306.6	277.3	288.0	297.8	1169.7	283.2	303.6	296.6		
ENDING STOCK	107.9	106.5	114.2	107.9		123.5	117.7	115.2	110.9		115.4	115.1	112.4		
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	918.6	952.2	967.1	952.3	3790.2	965.0	923.7	943.3	1004.7	3836.7	957.6	1014.7	1014.2		
SHIPMENTS - DOMESTIC	837.4	910.6	912.5	898.7	3559.2	889.5	880.6	909.2	942.7	3622.0	918.6	962.8	975.1		
- EXPORT	54.8	59.4	65.5	60.5	240.2	50.9	54.9	42.0	52.8	200.6	50.2	57.0	50.3		
TOTAL SHIPMENTS	892.2	970.0	978.0	959.2	3799.4	940.4	935.5	951.2	995.5	3822.6	968.8	1019.8	1025.4		
ENDING STOCK	328.1	310.3	299.4	292.5		317.1	305.3	297.4	306.6		295.4	290.3	279.1		
DOMESTIC SHIPMENTS	837.4	910.6	912.5	898.7	3559.2	889.5	880.6	909.2	942.7	3622.0	918.6	962.8	975.1		
IMPORTS - TEXTURED YARN ^b	16.2	16.2	22.7	17.8	72.9	17.9	19.5	20.4	24.1	81.9	13.3	15.1	17.2		
- OTHER YARN ^b	11.9	12.0	9.3	8.4	41.6	12.3	13.9	14.7	14.0	54.9	13.3	12.4	11.9		
- MONOFILAMENTS	0.6	0.6	0.5	0.4	2.1	0.8	0.6	0.5	0.8	2.7	0.8	0.9	1.0		
TOTAL IMPORTS	28.7	28.8	32.5	26.6	116.6	31.0	34.0	35.6	38.9	139.5	33.4	28.4	30.1		
TOTAL AVAILABLE	866.1	939.4	945.0	925.3	3675.8	920.5	914.6	944.8	981.6	3761.5	952.0	991.2	1005.2		
TEXTILE GLASS FIBER															
TOTAL SHIPMENTS	317.9	325.6	318.8	297.3	1259.6	330.6	352.6	333.9	322.2	1339.3	366.1	392.5	383.3		
IMPORTS	7.5	9.4	8.4	9.4	34.7	7.9	6.0	4.4	5.4	23.7	4.9	5.6	11.3		

FOORNOTES FOR TABLE ABOVE & OPPOSITE:

NA No longer available.

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Also include film fiber as well as spunbonded polypropylene.

b. Includes singles and plied.

c. These figures are composites of the nylon, acrylic+modacrylic and

polyester staple imports, i.e., Commodity Numbers 309.4331, .4351, .4336 & .4366.

d. Includes both rayon & acetate yarn.

e. These figures are composites of olefin and other staple imports, i.e., Commodity Numbers 309.4371, .4341 & .4390.

f. 1987 data exclude Vinyon.

**TABLE 9:
QUARTERLY MAN-MADE FIBER DATA (Continued)**

MILLION POUNDS

ITEM	1985					1986					1987				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
RAYON	STAPLE+TOW														
PRODUCTION	85.6	85.8	87.2	94.1	352.7	95.1	99.7	103.4	105.5	403.7	101.3	100.5	103.6		
SHIPMENTS - DOMESTIC	73.8	76.6	82.9	90.4	323.7	91.6	92.0	95.1	94.3	373.0	91.8	91.0	97.9		
- EXPORT	7.9	13.5	10.0	3.6	35.0	6.3	6.9	7.3	10.3	30.8	8.1	8.2	12.6		
TOTAL SHIPMENTS	81.7	90.1	92.9	94.0	358.7	97.9	98.9	102.4	104.6	403.8	99.9	99.2	110.5		
ENDING STOCK	32.4	28.1	22.4	22.5		19.7	20.5	21.5	22.4		23.8	25.1	18.2		
DOMESTIC SHIPMENTS	73.8	76.6	82.9	90.4	323.7	91.6	92.0	95.1	94.3	373.0	91.8	91.0	97.9		
IMPORTS FOR CONSUMPTION															
STAPLE	3.8	2.2	2.4	2.9	11.3	3.9	3.6	4.6	4.3	16.4	3.9	3.8	2.6		
GROUPED FILAMENTS	0.3	0.3	0.3	0.2	1.1	0.3	0.3	0.3	0.1	1.0	0.2	0.1	0.4		
TOTAL IMPORTS	4.1	2.5	2.7	3.1	12.4	4.2	3.9	4.9	4.4	17.4	4.1	3.9	3.0		
TOTAL AVAILABLE	77.9	79.1	85.6	93.5	336.1	95.8	95.9	100.0	98.7	390.4	95.9	94.9	100.9		
NYLON															
PRODUCTION	191.6	200.8	215.6	219.7	827.7	220.5	207.4	236.1	244.3	908.3	247.4	261.0	252.8		
SHIPMENTS-DOMESTIC	192.8	202.7	212.9	221.9	830.3	195.2	203.2	254.3	242.2	894.9	246.2	253.2	246.2		
-EXPORT	3.3	3.1	3.2	3.7	13.3	3.9	2.9	3.0	3.5	13.3	5.3	5.0	3.7		
TOTAL SHIPMENTS	196.1	205.8	216.1	225.6	843.6	199.1	206.1	257.3	245.7	908.2	251.5	258.2	249.9		
ENDING STOCK	74.1	69.1	68.6	62.7		84.1	85.4	64.2	62.8		58.7	61.5	64.4		
IMPORTS	2.7	8.0	12.5	9.3	38.5	11.9	10.6	14.9	14.6	52.0	14.8	8.7	8.6		
TOTAL AVAILABLE	201.5	210.7	225.4	231.2	868.8	207.1	213.8	269.2	256.8	946.9	261.0	261.9	254.8		
ACRYLIC+MODACRYLIC															
PRODUCTION	163.0	158.5	152.1	157.2	630.8	149.0	151.1	158.0	157.8	615.9	155.7	159.0	135.3		
SHIPMENTS-DOMESTIC	105.3	119.7	118.6	115.1	458.7	123.1	143.7	138.7	125.7	531.2	139.4	131.6	112.8		
-EXPORT	59.0	42.4	46.7	37.0	185.1	27.1	19.2	17.8	18.8	82.9	14.7	17.0	32.0		
TOTAL SHIPMENTS	164.3	162.1	165.3	152.1	643.8	150.2	162.9	156.5	144.5	614.1	154.1	148.6	144.8		
ENDING STOCK	76.1	72.5	59.3	64.4		63.2	51.4	52.9	66.2		67.8	78.2	68.7		
IMPORTS	3.4	3.6	5.9	4.7	17.6	3.2	4.0	5.3	4.9	17.4	3.3	4.1	4.6		
TOTAL AVAILABLE	108.7	123.3	124.5	119.8	476.3	126.3	147.7	144.0	130.6	548.6	142.7	135.7	117.4		
OLEFIN+VINYON¹															
PRODUCTION	69.1	72.7	75.1	77.8	294.7	82.4	82.3	84.7	85.9	335.3	85.5	92.3	92.1		
SHIPMENTS-DOMESTIC	67.2	71.9	70.8	69.8	279.7	73.9	82.6	76.4	79.8	312.7	81.1	85.7	86.1		
-EXPORT	1.0	2.0	3.2	2.3	8.5	4.2	4.8	4.8	5.0	18.8	6.9	5.7	5.4		
TOTAL SHIPMENTS	68.2	73.9	74.0	72.1	288.2	78.1	87.4	81.2	84.8	331.5	88.0	91.4	91.5		
ENDING STOCK	24.1	22.9	24.0	29.7		34.0	28.9	32.4	33.5		31.0	31.9	32.5		
POLYESTER															
PRODUCTION	520.7	512.2	468.9	518.3	2020.1	520.8	538.7	522.1	550.7	2132.3	581.0	596.2	578.4		
SHIPMENTS-DOMESTIC	456.3	460.2	462.4	493.8	1872.7	499.1	499.9	496.3	503.3	1998.6	534.4	549.9	537.5		
-EXPORT	51.0	63.2	29.1	22.6	165.9	25.7	25.0	31.6	42.5	124.8	48.2	47.0	38.3		
TOTAL SHIPMENTS	507.3	523.4	491.5	516.4	2038.6	524.8	524.9	527.9	545.8	2123.4	582.6	596.9	575.8		
ENDING STOCK	186.9	175.7	153.1	155.0		151.0	164.8	159.0	163.9		162.3	161.6	164.2		
IMPORTS	5.5	7.7	7.3	6.3	26.8	9.3	8.9	8.7	13.9	40.8	15.5	17.4	23.4		
TOTAL AVAILABLE	461.8	477.9	469.7	500.1	1899.5	508.4	508.8	505.0	517.2	2039.4	549.9	567.3	560.9		
TOTAL NONCELLULOSIC															
PRODUCTION	944.4	944.2	911.7	973.0	3773.3	972.7	979.5	1000.9	1038.7	3991.8	1069.6	1108.5	1058.6		
SHIPMENTS-DOMESTIC	821.6	854.5	864.7	900.6	3441.4	891.3	929.4	965.7	951.0	3737.4	1001.1	1020.4	982.6		
-EXPORT	114.3	110.7	82.2	65.6	372.8	60.9	51.9	57.2	69.8	239.8	75.1	74.7	79.4		
TOTAL SHIPMENTS	935.9	965.2	946.9	966.2	3814.2	952.2	981.3	1022.9	1020.8	3977.2	1076.2	1095.1	1062.0		
ENDING STOCK	361.2	340.2	305.0	311.8		332.3	330.5	308.5	326.4		319.8	333.2	329.8		
DOMESTIC SHIPMENTS	821.6	854.5	864.7	900.6	3441.4	891.3	929.4	965.7	951.0	3737.4	1001.1	1020.4	982.6		
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE ²	17.6	19.3	25.7	20.3	82.9	24.4	23.5	28.9	33.4	110.2	33.6	30.2	36.6		
OTHER N.C. STAPLE ³	7.1	7.3	8.7	8.2	31.3	7.2	4.4	2.5	2.0	16.1	2.8	3.6	3.7		
GROUPED FILAMENTS	9.5	11.8	11.9	12.3	45.5	14.4	15.0	14.7	12.4	56.5	12.4	12.4	12.1		
TOTAL IMPORTS	34.2	38.4	46.3	40.8	159.7	46.0	42.9	46.1	47.8	182.8	48.8	46.2	52.4		
TOTAL AVAILABLE	855.8	892.9	911.0	941.4	3601.1	937.3	972.3	1011.8	998.8	3920.2	1049.9	1066.6	1035.0		

See footnotes on opposite page.

**TABLE 10:
SELECTED U.S. MONTHLY FIBER DATA
MILLION POUNDS**

ITEM	1987												YEAR TO DATE ^a	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
MAN-MADE FIBER TOTAL SHIPMENTS^{b,c}														
CELLULOSIC														
YARN	14.6	13.7	15.9	16.5	16.1	16.9	14.6	14.8	16.9	17.1			157.1	178.9
RAYON STAPLE	34.1	29.7	36.1	33.2	31.6	34.4	33.6	37.0	39.9	36.5			346.1	334.8
TOTAL CELLULOSIC	48.7	43.4	52.0	49.7	47.7	51.3	48.2	51.8	56.8	53.6			503.2	513.7
NONCELLULOSIC														
YARN														
NYLON ^d - INDUSTRIAL ^e	31.0	32.8	30.6	29.5	35.7	30.0	30.6	31.2	29.6	31.7			312.7	275.4
- CARPET	75.1	77.6	79.9	76.9	86.2	78.5	80.4	82.5	89.1	76.1			802.3	753.0
- TEXTILE ^g	30.5	30.4	33.5	32.1	32.4	31.4	31.1	31.5	33.5	30.1			316.5	302.7
POLYESTER - INDUSTRIAL ^e	26.6	27.6	29.4	27.7	28.0	26.9	26.1	30.0	31.1	30.3			283.7	260.9
- TEXTILE ^g	63.3	64.0	72.3	75.7	73.6	71.7	72.3	65.5	71.6	70.9			700.9	712.9
OLEFIN ^f	92.3	87.6	84.3	88.9	91.4	103.2	83.2	99.1	107.0	96.0			933.0	865.6
TOTAL YARN	318.8	320.0	330.0	330.8	347.3	341.7	323.7	339.8	361.9	335.1			3349.1	3170.5
STAPLE														
NYLON	84.1	81.2	86.2	88.7	91.1	78.4	81.6	84.2	84.1	88.4			848.0	753.9
ACRYLIC+MODACRYLIC	49.2	50.7	54.2	51.2	52.3	45.1	47.5	50.0	47.3	51.4			498.9	523.3
POLYESTER	184.8	192.2	205.6	195.1	193.4	208.4	181.6	186.5	207.7	205.3			1960.6	1766.1
OLEFIN+VINYON ^h	28.2	27.9	31.9	31.1	30.0	30.3	26.9	32.0	32.6	31.3			302.2	276.5
TOTAL STAPLE	346.3	352.0	377.9	366.1	366.8	362.2	337.6	352.7	371.7	376.4			3609.7	3319.8
TOTAL NONCELLULOSIC	665.1	672.0	707.9	696.9	714.1	703.9	661.3	692.5	733.6	711.5			6958.8	6490.3
TOTAL MAN-MADE FIBER	713.8	715.4	759.9	746.6	761.8	755.2	709.5	744.3	790.4	765.1			7462.0	7004.0
MAN-MADE FIBER END-OF-MONTH STOCK														
CELLULOSIC														
YARN	17.9	18.2	16.8	15.2	14.7	14.0	14.0	13.3	12.9	12.0			12.0	14.7
RAYON STAPLE	24.3	26.1	23.8	24.7	25.9	25.1	25.0	21.2	18.2	16.3			16.3	23.0
TOTAL CELLULOSIC	42.2	44.3	40.6	39.9	40.6	39.1	39.0	34.5	31.1	28.3			28.3	37.7
NONCELLULOSIC														
YARN														
NYLON ^d - INDUSTRIAL ^e	29.2	24.9	26.7	29.0	27.0	25.8	26.5	24.9	22.8	22.2			22.2	30.4
- CARPET	56.6	55.5	52.3	52.4	48.3	47.7	52.7	49.3	45.2	47.6			47.6	43.1
- TEXTILE ^g	49.6	49.4	46.5	47.2	47.6	46.8	48.6	47.0	45.7	46.4			46.4	45.6
POLYESTER - INDUSTRIAL ^e	30.6	30.0	27.8	29.0	28.5	29.4	31.6	28.1	25.2	23.5			23.5	29.8
- TEXTILE ^g	85.6	88.8	87.6	83.2	80.0	85.7	85.6	85.0	87.2	86.0			86.0	82.6
OLEFIN ^f	54.7	55.6	54.5	56.3	56.0	54.9	57.0	55.7	53.0	54.1			54.1	60.3
TOTAL YARN	306.3	304.2	295.4	297.1	287.4	290.3	302.0	290.0	279.1	279.8			279.8	291.8
STAPLE														
NYLON	59.3	53.8	58.7	57.7	56.4	61.5	66.9	61.6	64.4	61.7			61.7	62.7
ACRYLIC+MODACRYLIC	68.2	67.9	67.8	70.1	71.6	78.2	73.9	70.0	68.7	63.8			63.8	52.1
POLYESTER	178.0	169.8	162.3	162.4	171.7	161.6	182.1	180.6	164.2	166.5			166.5	150.4
OLEFIN+VINYON ^h	33.3	32.6	31.0	30.3	30.8	31.9	34.5	32.9	32.5	32.6			32.6	29.8
TOTAL STAPLE	338.8	324.1	319.8	320.5	330.5	333.2	357.4	345.1	329.8	324.6			324.6	295.0
TOTAL NONCELLULOSIC	645.1	628.3	615.2	617.6	617.9	623.5	659.4	635.1	608.9	604.4			604.4	586.8
TOTAL MAN-MADE FIBER	687.3	672.6	655.8	657.5	658.5	662.6	698.4	669.6	640.0	632.7			632.7	624.5
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	13.8	13.1	15.0	13.8	13.4	13.8	10.6	10.7					104.2	103.8
CARPET CLASS WOOL	0.8	0.8	1.2	1.3	1.3	0.8	1.2	1.5					8.9	6.7
TOTAL RAW WOOL	14.6	13.9	16.2	15.1	14.7	14.6	11.8	12.2					113.1	110.5
RAW COTTON	302.3	281.8	341.4	301.8	308.4	328.2	261.6	293.4	398.8				2817.7	2402.5

- a. "Year-to-date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Data for nylon exclude Aramid.

- e. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
f. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
g. Low denier industrial nylon and polyester included with Textile.
h. 1987 data exclude Vinyon.

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